SGS®
Solid Carbide Tools

VALUE AT THE SPINDLE®

Firearms Solutions *Fractional Tools*

KYOCERA

www.kyocera-sgstool.com

ISO 9001:2015 Certified

SGS Solid Carbide Tools

Coatings

Ti-NAMITE® Tool Coatings are specifically engineered for SGS solid carbide rotary tools. The coating lineup includes proprietary processes that result in optimized tool life and increased speed and feed rates in a variety of applications.

	Coating	Identifying Color	Layer Structure	Thickness	Hardness (HV)	Coefficient of Friction (Fretting)	Thermal Stability	General Information
Ti-NAMITE-A	Aluminum Titanium Nitride (AlTiN)	dark grey	Nano structure	1–5 microns	3700	0.30	1100°C / 2010°F	Excellent thermal and chemical resistance allows for dry cutting and improvements in performance of carbide. The coating has a high hardness giving great protection against abrasive wear and erosion.
Ti-NAMITE-B	Titanium DiBoride (TiB2)	light grey-silver	Monolayer	1–2 microns	4000	0.10–0.20	850°C / 1562°F	This ceramic based coating ensures a smooth surface and a low affinity to cold welding or edge build up, which makes it optimal for aluminum and copper applications. It has high toughness and high hardness.
Ti-NAMITE-M	Proprietary (TM)	copper	Nano Composite	1–5 microns	3600	0.45	1150°C / 2100°F	Features include high wear resistance, reduced friction, and excellent prevention of edge build up. This coating provides superior material removal rates and tool life when used in high performance operations with difficult to machine materials like titanium.
Ti-NAMITE-X ADVANCED TOOL COATING	Proprietary (TX)	black	Nano Composite	1–5 microns	3600	0.45	1150°C / 2100°F	The structural design of Ti-Namite-X is adapted to meet a diverse range of applications; everything from high- and low-alloy steels to hardened materials (up to 65 HRC core hardness). Ti-Namite-X is suitable for operations which require high cutting speeds, high temperatures at the cutting edge, and high metal removal rates.

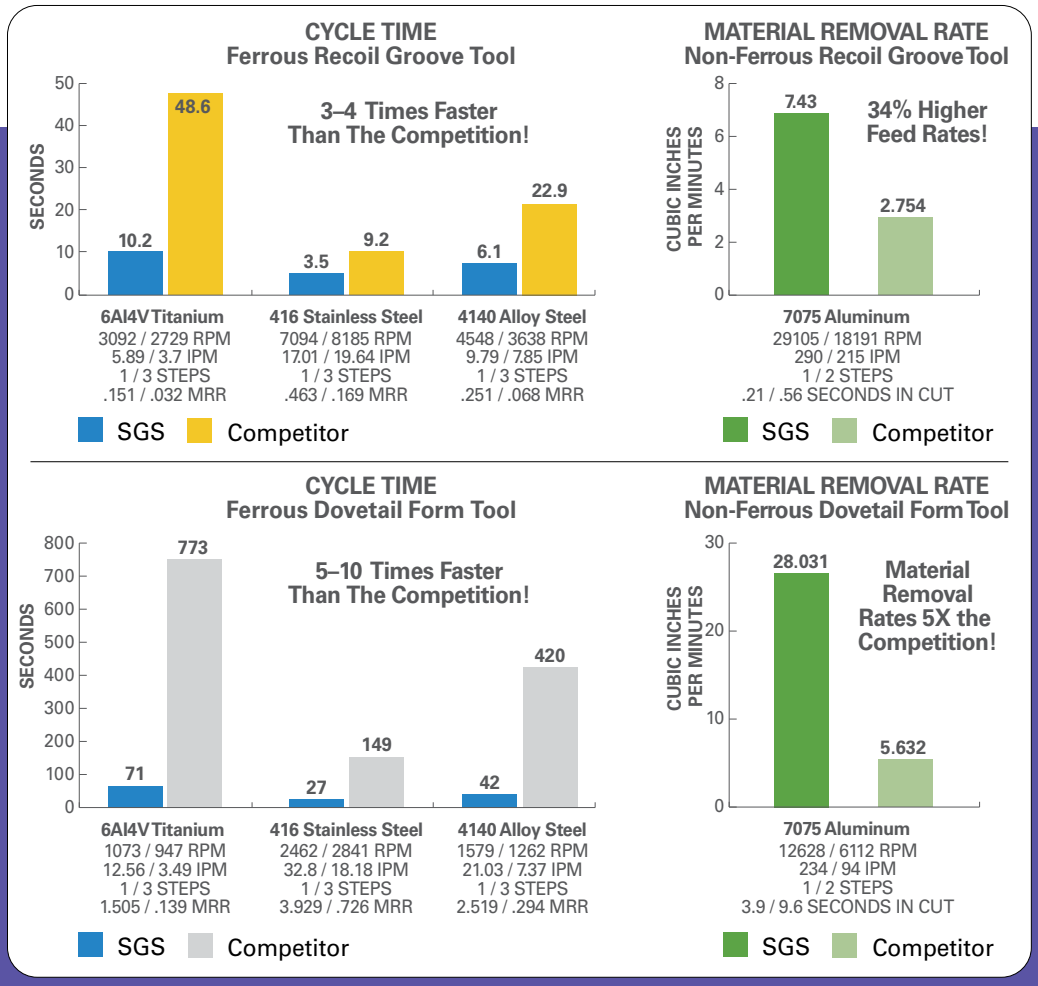
Picatinny Rail

PICATINNY RAIL DOVETAIL FORM AND RECOIL GROOVE TOOLS

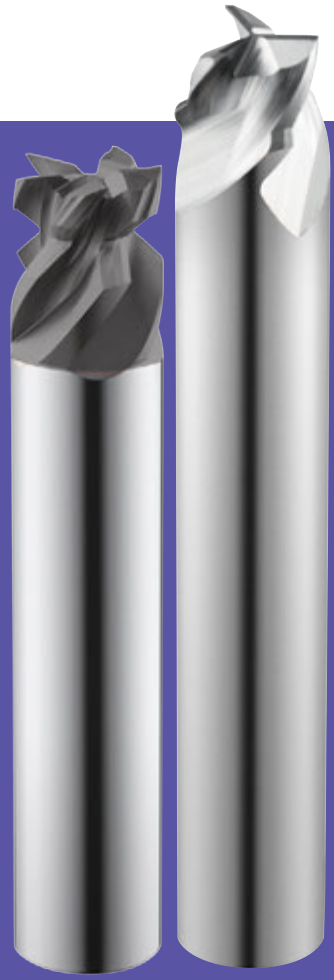
KYOCERA SGS Precision Tools (KSPT) proudly offers a suite of 8 Picatinny Rail form tools with innovative designs that are inspired by largely successful high performance endmills in the current SGS Portfolio. The SGS Picatinny rail portfolio has been carefully designed for material specific applications to service the firearms industry.

- Four tools designed for use in ferrous materials such as steel or stainless steel and non-nonferrous hard metals such as Titanium
- Offered in Ti-NAMITE®-A and Ti-NAMITE®-M coatings suitable for machining in ferrous materials
- A recoil groove tool is available for slotting operations and a dovetail form tool is available for side profile applications
- Meets MIL-STD-1913

- Four tools designed for use in soft non-ferrous materials such as aluminum
- Offered uncoated and in Ti-NAMITE®-B coating suitable for dry machining in non-ferrous materials
- A recoil groove tool is available for slotting operations and a dovetail form tool is available for side profile applications
- Meets MIL-STD-1913

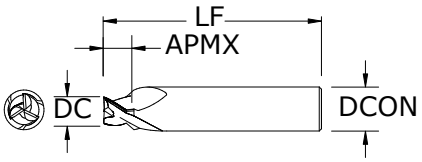


*Lab data based on rigid work-holding and aggressive roughing rates.



Ferrous Dovetail Form Tool

Non-Ferrous Recoil Groove Tool

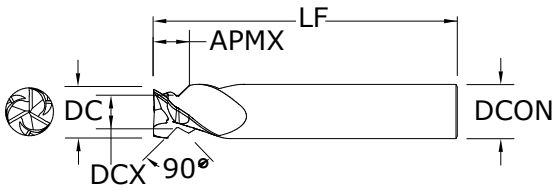


TOLERANCES (inch)		
DC	APMX	DCON
+0.0080/–0.0000	+0.0060/–0.0000	h6

Square
Straight
38°
Right Spiral
Regular
POS
Positive Rake Angle
3
Flutes

Non-Ferrous Recoil Groove Tool

inch				EDP NO.	
Cutting Diameter DC	Shank Diameter DCON	Length of Cut APMX	Overall Length LF	UNCOATED	Ti-NAMITE®-B (TB)
0.2100	1/4	0.118	1-3/4	34760	34761



TOLERANCES (inch)	
DC	DCON
+0.0010/–0.0010	h6

Square
Straight
38°
Right Spiral
Regular
POS
Positive Rake Angle
3
Flutes

Non-Ferrous Dovetail Form Tool

inch					EDP NO.	
Cutting Diameter DC	Inner Cutting Diameter DCX	Shank Diameter DCON	Length of Cut APMX	Overall Length LF	UNCOATED	Ti-NAMITE®-B (TB)
0.6050	0.384	5/8	0.410	3-1/2	34762	34763

Corner

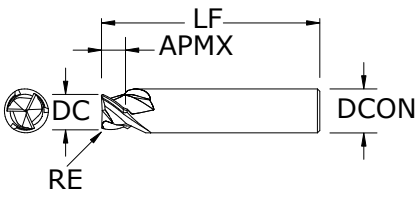
Straight

35°
Right Spiral

Regular

POS
Positive Rake Angle

3
Flutes



TOLERANCES (inch)

DC	APMX	DCON
+0.0080/–0.0000	+0.0060/–0.0000	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000/–0.0005

Ferrous Recoil Groove Tool

inch					EDP NO.	
Cutting Diameter DC	Shank Diameter DCON	Length of Cut APMX	Overall Length LF	Corner Radius RE	Ti-NAMITE®-A (TA)	Ti-NAMITE®-M (TM)
0.2100	1/4	0.118	1-3/4	.010	33360	33361

Square

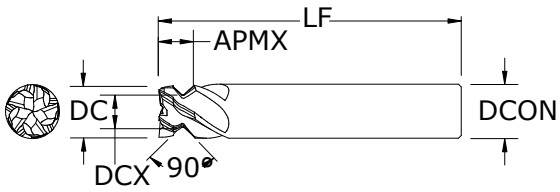
Straight

37°
Right Spiral

Regular

POS
Positive Rake Angle

5
Flutes



TOLERANCES (inch)

DC	DCON
+0.0010/–0.0010	h6

Ferrous Dovetail Form Tool

inch					EDP NO.	
Cutting Diameter DC	Inner Cutting Diameter DCX	Shank Diameter DCON	Length of Cut APMX	Overall Length LF	Ti-NAMITE®-A (TA)	Ti-NAMITE®-M (TM)
0.6050	0.384	5/8	0.410	3-1/2	37391	37390

Z-CARB-HPR

HIGH PERFORMANCE ROUGHER

The Z-Carb HPR Five-Flute Roughing End Mills are ideal for achieving high material removal rates (MRR) and superior finishes. The specialized five-flute design is engineered for increased productivity over three and four-flute end mills.

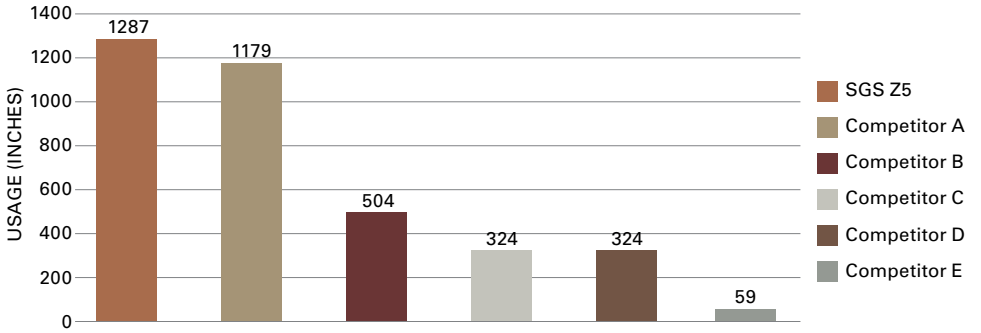
1911/2011 Pistol Slide

AR15 Bolt Carrier Group

Variable flute indexing provides improved chatter suppression over a wide range of spindle speeds by lowering the harmonics produced by the cutting action

- Specially designed rake and unique helix angle balance positive cutting action and edge strength allowing for aggressive cuts while reducing contact area to control tool pressure and spindle load
- Ti-NAMITE®-A coating (TA) has a high hardness giving ultimate protection against abrasive wear and erosion ideal for high temperature alloys and stainless steel applications
- Ti-NAMITE®-M coating (TM) provides high wear resistance, reduced friction prevents cutting edge build up and provides superior material removal rates and tool life in cast iron, steel and titanium applications

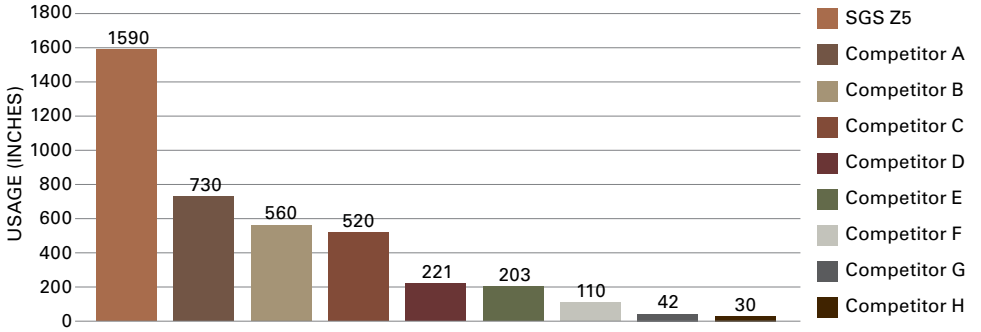
LAB TESTING RESULTS – HEAVY PROFILING IN TITANIUM



RESULTS IN TITANIUM 6AL4V @ 32HRC Z5CR 1/2" TESTED AT 1643 RPM X 16.4 IPM
.250" RADIAL WIDTH OF CUT X .750" AXIAL DEPTH OF CUT

Ti-NAMITE-M®

LAB TESTING RESULTS – HEAVY PROFILING IN STAINLESS STEEL



RESULTS IN STAINLESS STEEL 316 @ 160HB Z5CR 1/2" TESTED AT 2540 RPM X 31.7 IPM
.250" RADIAL WIDTH OF CUT X .750" AXIAL DEPTH OF CUT

Ti-NAMITE-A®

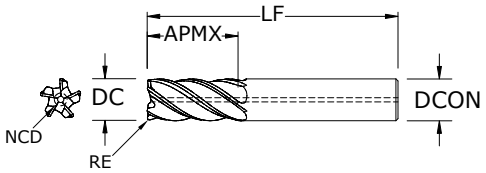
SHOWN WITH TI-NAMITE®-M COATING
ALSO AVAILABLE IN TI-NAMITE®-A COATING

TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0012	h6
> 1/4 - 3/8	+0.0000 / –0.0016	h6
> 3/8 - 1	+0.0000 / –0.0020	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



CARB-HPR
HIGH PERFORMANCE ROUGHER

Square

Corner

Straight

Weldon Flat

37°
Right Spiral

Stub and Regular

Flute Spacing Unequal

POS
Positive Rake Angle

Internal Coolant

External Coolant

5
Flutes

inch						EDP NO.					
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Non-Cutting Center Diameter NCD	Ti-NAMITE®-A (TA)	Ti-NAMITE®-A (TA) w/Flat	Ti-NAMITE®-A (TA) w/Internal Coolant	Ti-NAMITE®-M (TM)	Ti-NAMITE®-M (TM) w/ Flat	Ti-NAMITE®-M (TM) w/Internal Coolant
1/8	1/4	1-1/2	1/8	–	0.0440	38500	–	–	37000	–	–
1/8	1/4	1-1/2	1/8	0.010	0.0440	38771	–	–	38770	–	–
1/8	1/4	1-1/2	1/8	0.015	0.0440	38525	–	–	37001	–	–
1/8	1/4	1-1/2	1/8	0.030	0.0440	38773	–	–	38772	–	–
1/8	3/8	1-1/2	1/8	–	0.0440	37180	–	–	37002	–	–
1/8	3/8	1-1/2	1/8	0.010	0.0440	38775	–	–	38774	–	–
1/8	3/8	1-1/2	1/8	0.015	0.0290	37181	–	–	37003	–	–
1/8	3/8	1-1/2	1/8	0.030	0.0290	38777	–	–	38776	–	–
3/16	5/16	2	3/16	–	0.0660	38501	–	–	37004	–	–
3/16	5/16	2	3/16	0.010	0.0660	38779	–	–	38778	–	–
3/16	5/16	2	3/16	0.015	0.0660	38526	–	–	37005	–	–
3/16	5/16	2	3/16	0.030	0.0660	38781	–	–	38780	–	–
3/16	1/2	2	3/16	–	0.0660	37182	–	–	37006	–	–
3/16	1/2	2	3/16	0.010	0.0660	38783	–	–	38782	–	–
3/16	1/2	2	3/16	0.015	0.0660	37183	–	–	37007	–	–
3/16	1/2	2	3/16	0.030	0.0660	38785	–	–	38784	–	–
1/4	3/8	2-1/2	1/4	–	0.0880	38502	–	–	37008	–	–
1/4	3/8	2-1/2	1/4	0.010	0.0880	38787	–	–	38786	–	–
1/4	3/8	2-1/2	1/4	0.015	0.0880	38527	–	–	37009	–	–
1/4	3/8	2-1/2	1/4	0.030	0.0880	38528	–	–	37010	–	–
1/4	3/8	2-1/2	1/4	0.060	0.0750	38789	–	–	38788	–	–
1/4	3/8	2-1/2	1/4	0.090	0.0880	38791	–	–	38790	–	–
1/4	1/2	2-1/2	1/4	–	0.0880	37184	–	–	37011	–	–
1/4	1/2	2-1/2	1/4	0.010	0.0880	38793	–	–	38792	–	–
1/4	1/2	2-1/2	1/4	0.015	0.0880	37185	–	–	37012	–	–
1/4	1/2	2-1/2	1/4	0.030	0.0880	37186	–	–	37013	–	–
1/4	1/2	2-1/2	1/4	0.060	0.0750	38795	–	–	38794	–	–
1/4	1/2	2-1/2	1/4	0.090	0.0880	38797	–	–	38796	–	–
5/16	7/16	2-1/2	5/16	–	0.1090	38503	–	–	37014	–	–
5/16	7/16	2-1/2	5/16	0.010	0.1090	38799	–	–	38798	–	–
5/16	7/16	2-1/2	5/16	0.015	0.1090	38529	–	–	37015	–	–
5/16	7/16	2-1/2	5/16	0.030	0.1090	38801	–	–	38800	–	–
5/16	7/16	2-1/2	5/16	0.060	0.1090	38803	–	–	38802	–	–
5/16	7/16	2-1/2	5/16	0.090	0.0640	38805	–	–	38804	–	–
5/16	5/8	2-1/2	5/16	–	0.1090	38504	–	–	37016	–	–
5/16	5/8	2-1/2	5/16	0.010	0.0640	38807	–	–	38806	–	–
5/16	5/8	2-1/2	5/16	0.015	0.1090	38530	–	–	37017	–	–
5/16	5/8	2-1/2	5/16	0.030	0.1090	38809	–	–	38808	–	–

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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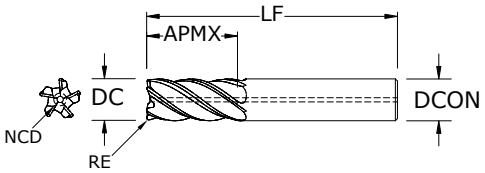
CARB-HPR
HIGH PERFORMANCE ROUGHER



TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0012	h6
> 1/4 - 3/8	+0.0000 / –0.0016	h6
> 3/8 - 1	+0.0000 / –0.0020	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

inch						EDP NO.					
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Non-Cutting Center Diameter NCD	Ti-NAMITE®-A (TA)	Ti-NAMITE®-A (TA) w/Flat	Ti-NAMITE®-A (TA) w/Internal Coolant	Ti-NAMITE®-M (TM)	Ti-NAMITE®-M (TM) w/ Flat	Ti-NAMITE®-M (TM) w/Internal Coolant
5/16	5/8	2-1/2	5/16	0.060	0.1090	38811	–	–	38810	–	–
5/16	5/8	2-1/2	5/16	0.090	0.0640	38813	–	–	38812	–	–
3/8	1/2	2-1/2	3/8	–	0.1310	38505	–	–	37018	–	–
3/8	1/2	2-1/2	3/8	0.010	0.1310	38815	–	–	38814	–	–
3/8	1/2	2-1/2	3/8	0.015	0.1310	38531	–	–	37019	–	–
3/8	1/2	2-1/2	3/8	0.030	0.1310	38532	–	–	37020	–	–
3/8	1/2	2-1/2	3/8	0.060	0.1310	38817	–	–	38816	–	–
3/8	1/2	2-1/2	3/8	0.090	0.0830	38819	–	–	38818	–	–
3/8	3/4	2-1/2	3/8	–	0.1310	37187	–	–	37021	–	–
3/8	3/4	2-1/2	3/8	0.010	0.1310	38821	–	–	38820	–	–
3/8	3/4	2-1/2	3/8	0.015	0.1310	37188	–	–	37022	–	–
3/8	3/4	2-1/2	3/8	0.030	0.1310	37189	37174	–	37023	–	–
3/8	3/4	2-1/2	3/8	0.060	0.1310	38823	–	–	38822	–	–
3/8	3/4	2-1/2	3/8	0.090	0.0830	38825	–	–	38824	–	–
7/16	5/8	2-1/2	7/16	0.015	0.1530	37164	–	–	37160	–	–
7/16	5/8	2-1/2	7/16	0.030	0.1530	37165	–	–	37161	–	–
7/16	7/8	2-3/4	7/16	0.015	0.1530	37166	–	–	37162	–	–
7/16	7/8	2-3/4	7/16	0.030	0.1530	37167	–	–	37163	–	–
1/2	5/8	3	1/2	–	0.1750	38506	38512	37320	37024	37030	37321
1/2	5/8	3	1/2	0.010	0.1750	38827	38829	38831	38826	38828	38830
1/2	5/8	3	1/2	0.015	0.1750	38533	38578	37330	37025	37031	37331
1/2	5/8	3	1/2	0.030	0.1750	38534	38579	37332	37026	37032	37333
1/2	5/8	3	1/2	0.060	0.1750	38535	38580	37334	37027	37033	37335
1/2	5/8	3	1/2	0.090	0.1750	38536	38581	37337	37028	37034	37338
1/2	5/8	3	1/2	0.120	0.1750	38537	38582	37339	37029	37035	37340
1/2	1	3	1/2	–	0.1750	38507	38513	37322	37036	37042	37323
1/2	1	3	1/2	0.010	0.1750	38833	38835	38837	38832	38834	38836
1/2	1	3	1/2	0.015	0.1750	38538	38583	37341	37037	37043	37342
1/2	1	3	1/2	0.030	0.1750	38539	38584	37343	37038	37044	37344
1/2	1	3	1/2	0.060	0.1750	38540	38585	37345	37039	37045	37346
1/2	1	3	1/2	0.090	0.1750	38541	38586	37348	37040	37046	37349
1/2	1	3	1/2	0.120	0.1750	38542	38587	37350	37041	37047	37351
1/2	1-1/4	3-1/4	1/2	–	0.1750	37190	37194	37325	37048	37054	37324
1/2	1-1/4	3-1/4	1/2	0.010	0.1750	38839	38841	38843	38838	38840	38842
1/2	1-1/4	3-1/4	1/2	0.015	0.1750	37191	37195	37352	37049	37055	37353
1/2	1-1/4	3-1/4	1/2	0.030	0.1750	37192	37196	37354	37050	37056	37355
1/2	1-1/4	3-1/4	1/2	0.060	0.1750	37193	37197	37356	37051	37057	37357
1/2	1-1/4	3-1/4	1/2	0.090	0.1750	38543	38588	37359	37052	37058	37360

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

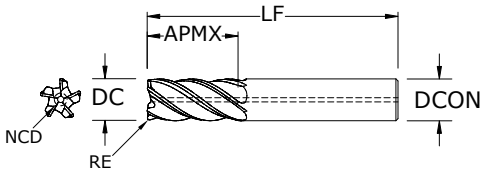
Square
Corner
Straight
Weldon Flat
37°
Right Spiral
Stub and Regular
Flute Spacing Unequal
POS
Positive Rake Angle
Internal Coolant
External Coolant
5
Flutes

TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0012	h6
> 1/4 - 3/8	+0.0000 / –0.0016	h6
> 3/8 - 1	+0.0000 / –0.0020	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



CARB-HPR
HIGH PERFORMANCE ROUGHER

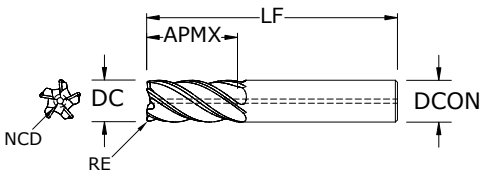
Square
Corner
Straight
Weldon Flat
37°
Right Spiral
Stub, Regular, Long
Flute Spacing Unequal
POS
Positive Rake Angle
Internal Coolant
External Coolant
5
Flutes

inch						EDP NO.					
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Non-Cutting Center Diameter NCD	Ti-NAMITE®-A (TA)	Ti-NAMITE®-A (TA) w/Flat	Ti-NAMITE®-A (TA) w/Internal Coolant	Ti-NAMITE®-M (TM)	Ti-NAMITE®-M (TM) w/ Flat	Ti-NAMITE®-M (TM) w/Internal Coolant
1/2	1-1/4	3-1/4	1/2	0.120	0.1750	38544	38589	37361	37053	37059	37362
5/8	3/4	3-1/2	5/8	–	0.2630	38508	38514	38518	37060	37067	37260
5/8	3/4	3-1/2	5/8	0.010	0.2190	38845	38847	38849	38844	38846	38848
5/8	3/4	3-1/2	5/8	0.015	0.2190	38545	38590	38623	37061	37068	37261
5/8	3/4	3-1/2	5/8	0.030	0.2190	38546	38591	38624	37062	37069	37262
5/8	3/4	3-1/2	5/8	0.060	0.2190	38547	38592	38625	37063	37070	37263
5/8	3/4	3-1/2	5/8	0.090	0.2190	38548	38593	38626	37064	37071	37264
5/8	3/4	3-1/2	5/8	0.120	0.2190	38549	38594	38627	37065	37072	37265
5/8	3/4	3-1/2	5/8	0.190	0.2190	38550	38595	38628	37066	37073	37266
5/8	1-1/4	3-1/2	5/8	–	0.2190	37198	37202	38519	37074	37081	37267
5/8	1-1/4	3-1/2	5/8	0.010	0.2190	38851	38853	38855	38850	38852	38854
5/8	1-1/4	3-1/2	5/8	0.015	0.2190	37199	37203	38629	37075	37082	37268
5/8	1-1/4	3-1/2	5/8	0.030	0.2190	37200	37204	38630	37076	37083	37269
5/8	1-1/4	3-1/2	5/8	0.060	0.2190	37201	37205	38631	37077	37084	37270
5/8	1-1/4	3-1/2	5/8	0.090	0.2190	38551	38596	38632	37078	37085	37271
5/8	1-1/4	3-1/2	5/8	0.120	0.2190	38552	38597	38633	37079	37086	37272
5/8	1-1/4	3-1/2	5/8	0.190	0.2190	38553	38598	38634	37080	37087	37273
3/4	7/8	4	3/4	–	0.2630	38509	38515	38520	37088	37095	37274
3/4	7/8	4	3/4	0.010	0.2630	38857	38859	38861	38856	38858	38860
3/4	7/8	4	3/4	0.030	0.2630	38554	38599	38635	37089	37096	37275
3/4	7/8	4	3/4	0.060	0.2630	38555	38600	38636	37090	37097	37276
3/4	7/8	4	3/4	0.090	0.2630	38556	38601	38637	37091	37098	37277
3/4	7/8	4	3/4	0.120	0.2630	38557	38602	38638	37092	37099	37278
3/4	7/8	4	3/4	0.190	0.2630	38558	38603	38639	37093	37100	37279
3/4	7/8	4	3/4	0.250	0.2630	38559	38604	38640	37094	37101	37280
3/4	1-1/2	4	3/4	–	0.2630	37206	37210	38521	37102	37109	37281
3/4	1-1/2	4	3/4	0.010	0.2630	38863	38865	38867	38862	38864	38866
3/4	1-1/2	4	3/4	0.030	0.2630	37207	37211	38641	37103	37110	37282
3/4	1-1/2	4	3/4	0.060	0.2630	37208	37212	38642	37104	37111	37283
3/4	1-1/2	4	3/4	0.090	0.2630	38560	38605	38643	37105	37112	37284
3/4	1-1/2	4	3/4	0.120	0.2630	37209	37213	38644	37106	37113	37285
3/4	1-1/2	4	3/4	0.190	0.2630	38561	38606	38645	37107	37114	37286
3/4	1-1/2	4	3/4	0.250	0.2630	38562	38607	38646	37108	37115	37287
3/4	1-5/8	4	3/4	0.030	0.2630	37222	–	–	37223	–	–
3/4	1-5/8	4	3/4	0.060	0.2630	37224	–	–	37225	–	–
3/4	1-5/8	4	3/4	0.090	0.2630	37226	–	–	37227	–	–
3/4	1-5/8	4	3/4	0.120	0.2630	37228	–	–	37229	–	–
3/4	2	4-1/2	3/4	0.030	0.2630	37230	–	–	37231	–	–

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

CARB-HPR
HIGH PERFORMANCE ROUGHER



TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0012	h6
> 1/4 - 3/8	+0.0000 / –0.0016	h6
> 3/8 - 1	+0.0000 / –0.0020	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

inch						EDP NO.					
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Non-Cutting Center Diameter NCD	Ti-NAMITE®-A (TA)	Ti-NAMITE®-A (TA) w/Flat	Ti-NAMITE®-A (TA) w/Internal Coolant	Ti-NAMITE®-M (TM)	Ti-NAMITE®-M (TM) w/ Flat	Ti-NAMITE®-M (TM) w/Internal Coolant
3/4	2	4-1/2	3/4	0.060	0.2630	37232	–	–	37233	–	–
3/4	2	4-1/2	3/4	0.090	0.2630	37234	–	–	37235	–	–
3/4	2	4-1/2	3/4	0.120	0.2630	37236	–	–	37237	–	–
1	1-1/8	4	1	–	0.3500	38510	38516	38522	37116	37123	37288
1	1-1/8	4	1	0.010	0.3500	38869	38871	38873	38868	38870	38872
1	1-1/8	4	1	0.030	0.3500	38563	38608	38647	37117	37124	37289
1	1-1/8	4	1	0.060	0.3500	38564	38609	38648	37118	37125	37290
1	1-1/8	4	1	0.090	0.3500	38565	38610	38649	37119	37126	37291
1	1-1/8	4	1	0.120	0.3500	38566	38611	38650	37120	37127	37292
1	1-1/8	4	1	0.190	0.3500	38567	38612	38651	37121	37128	37293
1	1-1/8	4	1	0.250	0.3500	38568	38613	38652	37122	37129	37294
1	1-1/2	4	1	–	0.3500	37214	37218	38523	37130	37137	37295
1	1-1/2	4	1	0.010	0.3500	38875	38877	38879	38874	38876	38878
1	1-1/2	4	1	0.030	0.3500	37215	37219	38653	37131	37138	37296
1	1-1/2	4	1	0.060	0.3500	37216	37220	38654	37132	37139	37297
1	1-1/2	4	1	0.090	0.3500	38569	38614	38655	37133	37140	37298
1	1-1/2	4	1	0.120	0.3500	37217	37221	38656	37134	37141	37299
1	1-1/2	4	1	0.190	0.3500	38570	38615	38657	37135	37142	37300
1	1-1/2	4	1	0.250	0.3500	38571	38616	38658	37136	37143	37301
1	2	4-1/2	1	–	0.3500	38511	38517	38524	37144	37151	37302
1	2	4-1/2	1	0.010	0.3500	38881	38883	38885	38880	38882	38884
1	2	4-1/2	1	0.030	0.3500	38572	38617	38659	37145	37152	37303
1	2	4-1/2	1	0.060	0.3500	38573	38618	38660	37146	37153	37304
1	2	4-1/2	1	0.090	0.3500	38574	38619	38661	37147	37154	37305
1	2	4-1/2	1	0.120	0.3500	38575	38620	38662	37148	37155	37306
1	2	4-1/2	1	0.190	0.3500	38576	38621	38663	37149	37156	37307
1	2	4-1/2	1	0.250	0.3500	38577	38622	38664	37150	37157	37308

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

Square
Corner
Straight
Weldon Flat
37° Right Spiral
Stub, Regular, Long
Flute Spacing Unequal
POS Positive Rake Angle
Internal Coolant
External Coolant
5 Flutes

Custom Bolt Action Receiver and Bolt

BDL Bottom Metal

V-CARB™

Five Flute End Mills

V-Carb End Mills set the standard for peak finish quality. These five-flute, unequal helix tools feature unequal indexing and an ideal rake and relief combination for unmatched finishing capability.

- Features unequal indexing for improved chatter reduction and ideal rake / relief angles provide unparalleled finishing capability
- Ti-NAMITE®-A coating has a high hardness and offers great protection against abrasive wear and erosion
- Coating provides excellent thermal and chemical resistance in dry cutting applications
- Broad offering: ball end — corner radius

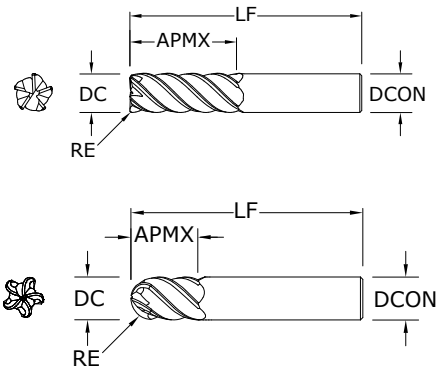
CYCLE TIME REDUCTION

In a recent case study, the V-Carb ran against a competitor's end mill in 6AL-4V titanium alloy. Our tool geometry facilitated a significantly increased speed and feed rate. The customer achieved a 5 minute reduction in cycle time per part!

V-CARB CYCLE TIME

COMPETITOR CYCLE TIME

CARB™
Five Flute End Mills



TOLERANCES (inch)

DC	DCON
+0.0000 / –0.0020	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

BALL RADIUS TOLERANCES (inch)

+0.0000 / –0.0010

inch					EDP NO.		
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Ti-NAMITE®-A (TA)	Ti-NAMITE®-A (TA) w/Flat	Ti-NAMITE®-A (TA) Ball End
1/8	1/4	1-1/2	1/8	–	32672	–	–
1/8	1/4	1-1/2	1/8	.010	32606	–	–
1/8	1/2	1-1/2	1/8	–	32655	–	–
1/8	1/2	1-1/2	1/8	.010	32607	–	–
5/32	5/16	2	3/16	.010	32608	–	–
5/32	9/16	2	3/16	–	32656	–	–
5/32	9/16	2	3/16	.010	32609	–	–
3/16	5/16	2	3/16	–	32673	–	–
3/16	5/16	2	3/16	.010	32610	–	–
3/16	5/8	2	3/16	–	32657	–	–
3/16	5/8	2	3/16	.010	32611	–	–
7/32	3/8	2	1/4	.015	32612	–	–
7/32	3/4	2-1/2	1/4	.015	32613	–	–
7/32	3/4	2-1/2	1/4	–	32658	–	–
1/4	3/8	2	1/4	.015	32614	–	–
1/4	3/8	2	1/4	–	32674	–	–
1/4	3/4	2-1/2	1/4	–	32659	–	32500
1/4	3/4	2-1/2	1/4	.015	32615	–	–
1/4	1-1/4	4	1/4	.015	32616	–	–
5/16	7/16	2	5/16	–	32675	–	–
5/16	7/16	2	5/16	.015	32619	–	–
5/16	13/16	2-1/2	5/16	–	32660	–	32501
5/16	13/16	2-1/2	5/16	.015	32620	–	–
5/16	1-1/4	4	5/16	.015	32621	–	–
3/8	1/2	2	3/8	–	32676	32677	–
3/8	1/2	2	3/8	.015	32625	32591	–
3/8	1/2	2	3/8	.030	32592	32593	–
3/8	1	2-1/2	3/8	–	32661	32662	32502
3/8	1	2-1/2	3/8	.015	32626	32628	–
3/8	1	2-1/2	3/8	.030	32573	32574	–
3/8	1-1/2	4	3/8	.015	32627	–	–
3/8	1-1/2	4	3/8	.030	32569	–	–

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

TOLERANCES (inch)

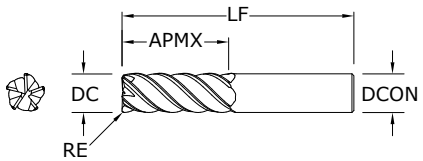
DC	DCON
+0.0000 / –0.0020	h6

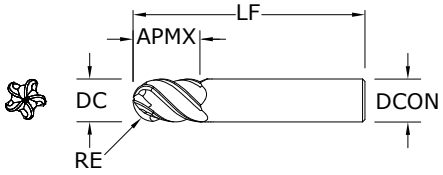
CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

BALL RADIUS TOLERANCES (inch)

+0.0000 / –0.0010





CARB™ Five Flute End Mills

Square

Corner

Ball

Straight

Weldon Flat

45°
Right Spiral

Stub, Regular, Long

Flute Spacing Unequal

POS
Positive Rake Angle

5
Flutes

inch					EDP NO.		
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Ti-NAMITE®-A (TA)	Ti-NAMITE®-A (TA) w/Flat	Ti-NAMITE®-A (TA) Ball End
7/16	1	2-3/4	7/16	–	32663	–	–
7/16	1	2-3/4	7/16	.015	32632	–	–
7/16	2	4	7/16	.015	32633	–	–
1/2	5/8	2-1/2	1/2	–	32678	32679	–
1/2	5/8	2-1/2	1/2	.030	32594	32595	–
1/2	5/8	2-1/2	1/2	.060	32596	32597	–
1/2	1-1/4	3	1/2	–	32664	32665	32503
1/2	1-1/4	3	1/2	.030	32575	32576	–
1/2	1-1/4	3	1/2	.060	32577	32578	–
1/2	2	4	1/2	.030	32685	–	–
1/2	2	4	1/2	.060	32686	–	–
5/8	3/4	3	5/8	–	32680	32681	–
5/8	3/4	3	5/8	.030	32598	32599	–
5/8	3/4	3	5/8	.060	32600	32601	–
5/8	1-5/8	3-1/2	5/8	–	32666	32667	32504
5/8	1-5/8	3-1/2	5/8	.030	32579	32580	–
5/8	1-5/8	3-1/2	5/8	.060	32581	32582	–
5/8	2-1/2	5	5/8	.030	32570	–	–
5/8	2-1/2	5	5/8	.060	32687	–	–
3/4	1	3	3/4	.030	32602	32603	–
3/4	1	3	3/4	.060	32604	32605	–
3/4	1-5/8	4	3/4	–	32668	32669	32505
3/4	1-5/8	4	3/4	.030	32583	32584	–
3/4	1-5/8	4	3/4	.060	32585	32586	–
3/4	3-1/4	6	3/4	.030	32571	–	–
3/4	3-1/4	6	3/4	.060	32688	–	–
1	1-1/2	4	1	–	32670	32671	32506
1	1-1/2	4	1	.030	32587	32588	–
1	1-1/2	4	1	.060	32589	32590	–
1	2-5/8	6	1	.030	32572	–	–
1	2-5/8	6	1	.060	32689	–	–

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

SERIES 33
THREE FLUTE END MILLS

Suppressor Monocore

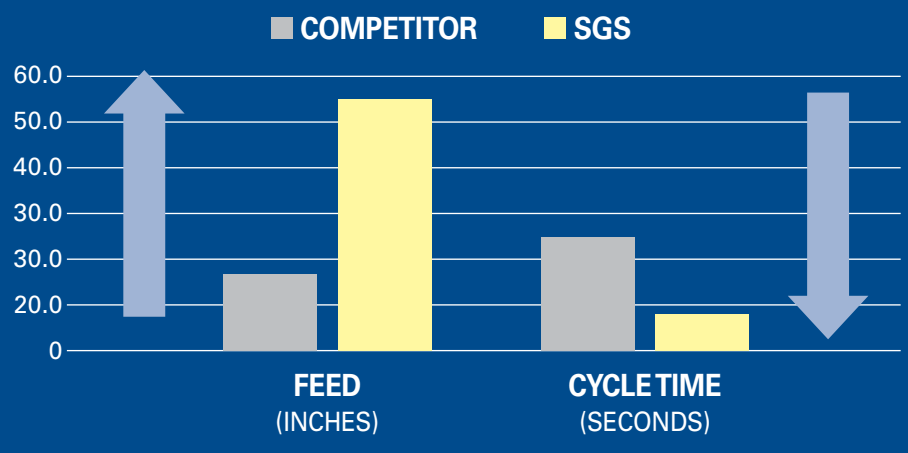
Lever Action Rifle Receiver

Series 33 High Performance End Mills are ideal for aggressive ramping, pocketing, and slotting in difficult to machine materials such as Stainless Steel, Titanium, and Inconel.

- Open design accommodates material flow from axial end and aids in load reduction during operations
- Proprietary three-flute design allows for more controlled chip formation and efficient chip evacuation
- Variable end geometry provides superior chatter and vibration suppression during aggressive milling
- Stepped core design provides stability for aggressive ramping and rigidity when flutes are completely engaged
- Available with SGS patented jet stream technology for precise coolant placement

While assisting with an end user application, SGS introduced a 1" Series 33 End Mill. This tool facilitated a 66% increase in spindle speed and a 217% increase in feed rate.

These changes increased the MRR from 0.78 in^3 to 2.46 in^3 reducing the cycle time by 68%.

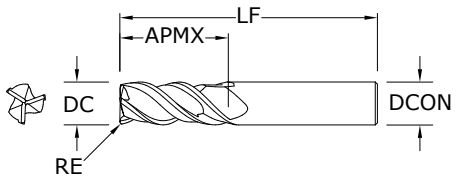


TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0012	h6
> 1/4 - 3/8	+0.0000 / –0.0016	h6
> 3/8 - 1	+0.0000 / –0.0020	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



SERIES 33 THREE FLUTE END MILLS

Corner

Straight

Regular

Variable Right Spiral

Flute Spacing Unequal

Positive Rake Angle

Flutes

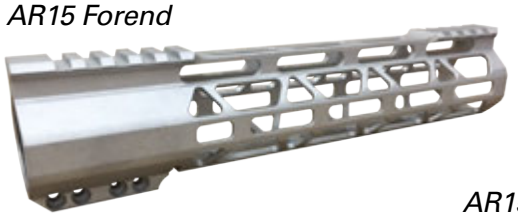
	inch				EDP NO.
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Ti-NAMITE®-A (TA)
1/8	3/8	2-1/2	1/4	.015	33345
3/16	9/16	2-1/2	1/4	.015	33346
1/4	3/4	2-1/2	1/4	.020	33347
5/16	13/16	2-1/2	5/16	.020	33348
3/8	1	2-1/2	3/8	.020	33349
7/16	1-1/8	2-3/4	7/16	.020	33350
1/2	1-1/4	3-1/4	1/2	.030	33351
5/8	1-1/2	3-1/2	5/8	.040	33352
3/4	1-3/4	4	3/4	.040	33353
1	2-1/4	5	1	.040	33354

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

CARB®
Solid Carbide End Mills for Aluminum

The original, symmetrical flute design features an engineered flute form that provides high performance results through a full range of machining conditions. These tools are designed for aggressive Aluminum, non-ferrous, and non-metallic machining requiring a high level of material removal.

AR15 Forend



AR15 Grip

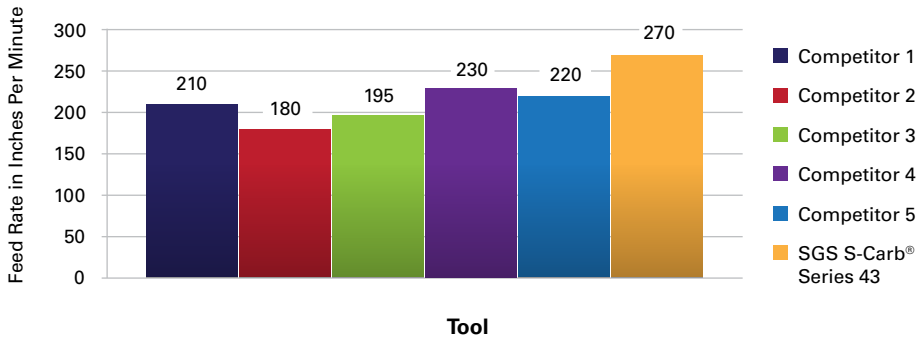
- Circular land provides chatter and vibration control across a wide range of speeds and feeds
- Specialized flute design maximizes chip evacuation and prevents edge build-up by reducing heat caused by friction
- Ti-NAMITE®-B coating (TB) is ideal for aluminum and copper and ensures a smooth surface and a low affinity to edge build up
- High toughness and hardness reduces tool wear leading to longer tool life
- Broad offering: ball end — corner radius — extended reach — extended flute length

SLOTTING CAPABILITY

3-flute end mills maximum feed rate achieved at 100% spindle load on a 30 hp vertical mill in 6061 aluminum @ 10,000 rpm .500" deep slot .500" diameter tool

SLOTTING CAPABILITY: 3-FLUTE END MILLS

Maximum Feed Rate Achieved at 100% Spindle Load on a 30 HP Vertical Mill In 6061 Aluminum @ 10,000 RPM .500" Deep Slot .500" Diameter Tool



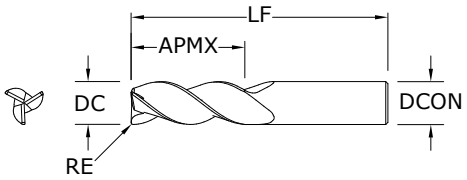
SHOWN WITH TI-NAMITE®-B COATING (TB)
ALSO AVAILABLE UNCOATED

TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



CARB® Solid Carbide End Mills for Aluminum

Square

Corner

Straight

Stub, Regular, Long, Extra Long

38°
Right Spiral

POS
Positive Rake

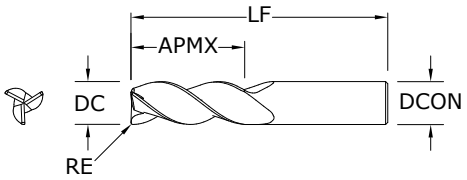
3
Flutes

inch					EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
1/8	3/8	1-1/2	1/8	–	34701	34728
1/8	3/8	1-1/2	1/8	.010	34771	34793
3/16	5/16	2-1/2	3/16	–	34822	34857
3/16	9/16	2	3/16	–	34702	34729
3/16	9/16	2	3/16	.010	34772	34794
3/16	3/4	2-1/2	3/16	–	34823	34858
1/4	3/8	2	1/4	–	34703	34730
1/4	3/8	2-1/2	1/4	.010	35575	35665
1/4	3/8	2-1/2	1/4	.015	35576	35666
1/4	3/8	2-1/2	1/4	.030	35577	35667
1/4	3/8	2-1/2	1/4	.060	35578	35668
1/4	1/2	2-1/2	1/4	–	34824	34859
1/4	3/4	2-1/2	1/4	–	34704	34731
1/4	3/4	2-1/2	1/4	.010	34773	34795
1/4	3/4	2-1/2	1/4	.015	35579	35669
1/4	3/4	2-1/2	1/4	.030	34774	34796
1/4	3/4	2-1/2	1/4	.060	35580	35670
1/4	1	3	1/4	–	34825	34860
1/4	1	3	1/4	.010	35581	35671
1/4	1	3	1/4	.015	35582	35672
1/4	1	3	1/4	.030	35583	35673
1/4	1	3	1/4	.060	35584	35674
1/4	1-1/4	3-1/2	1/4	–	34705	34732
1/4	1-3/4	4	1/4	–	34826	34861
5/16	7/16	2	5/16	–	34706	34733
5/16	5/8	2-1/2	5/16	–	34707	34734
5/16	5/8	2-1/2	5/16	.030	34775	34797
5/16	1-1/4	4	5/16	–	34708	34735
3/8	1/2	2	3/8	–	34709	34736
3/8	1/2	3	3/8	.010	35585	35675
3/8	1/2	3	3/8	.015	35586	35676
3/8	1/2	3	3/8	.030	35587	35677
3/8	1/2	3	3/8	.060	35588	35678
3/8	1/2	3	3/8	.090	35589	35679
3/8	1	2-1/2	3/8	–	34710	34737
3/8	1	2-1/2	3/8	.010	34776	34798

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

CARB
Solid Carbide End Mills for Aluminum



TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

inch					EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
3/8	1	2-1/2	3/8	.030	34777	34799
3/8	1	2-1/2	3/8	.060	32761	32825
3/8	1	3	3/8	.015	35590	35680
3/8	1	3	3/8	.090	35591	35681
3/8	1-1/4	3-1/2	3/8	–	34827	34862
3/8	1-1/2	3-1/2	3/8	–	34711	34738
3/8	1-1/2	4	3/8	.010	35592	35682
3/8	1-1/2	4	3/8	.015	35593	35683
3/8	1-1/2	4	3/8	.030	35594	35684
3/8	1-1/2	4	3/8	.060	35595	35685
3/8	1-1/2	4	3/8	.090	35596	35686
3/8	2	4	3/8	–	34828	34863
1/2	5/8	2-1/2	1/2	–	34712	34739
1/2	5/8	3	1/2	.010	35597	35687
1/2	5/8	3	1/2	.015	35598	35688
1/2	5/8	3	1/2	.030	35599	35689
1/2	5/8	3	1/2	.060	35600	35690
1/2	5/8	3	1/2	.090	35601	35691
1/2	5/8	3	1/2	.120	35602	35692
1/2	1	3	1/2	–	34830	34865
1/2	1	3	1/2	.010	35603	35693
1/2	1	3	1/2	.015	35604	35694
1/2	1	3	1/2	.030	35605	35695
1/2	1	3	1/2	.060	35606	35696
1/2	1	3	1/2	.090	35607	35697
1/2	1	3	1/2	.120	35608	35698
1/2	1-1/4	3	1/2	.015	35609	35699
1/2	1-1/4	3-1/4	1/2	–	34713	34740
1/2	1-1/4	3-1/4	1/2	.010	34778	34800
1/2	1-1/4	3-1/4	1/2	.030	34779	34801
1/2	1-1/4	3-1/4	1/2	.060	34780	34802
1/2	1-1/4	3-1/4	1/2	.090	34781	34803
1/2	1-1/4	3-1/4	1/2	.120	32766	32830
1/2	1-5/8	4	1/2	–	34831	34866
1/2	1-5/8	4	1/2	.010	35610	35700
1/2	1-5/8	4	1/2	.015	35611	35701

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

Square

Corner

Straight

Stub, Regular, Long, Extra Long

38°
Right Spiral

POS
Positive Rake

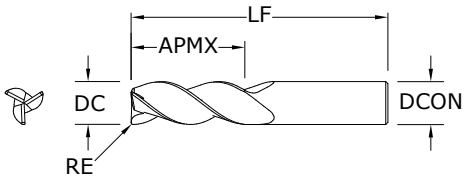
3
Flutes

TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



CARB® Solid Carbide End Mills for Aluminum

Square

Corner

Straight

Stub, Regular, Long, Extra Long

38°
Right Spiral

POS
Positive Rake

3
Flutes

inch					EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
1/2	1-5/8	4	1/2	.030	35612	35702
1/2	1-5/8	4	1/2	.060	35613	35703
1/2	1-5/8	4	1/2	.090	35614	35704
1/2	1-5/8	4	1/2	.120	35615	35705
1/2	2	4	1/2	–	34714	34741
1/2	2	4	1/2	.010	35616	35706
1/2	2	4	1/2	.015	35617	35707
1/2	2	4	1/2	.030	35618	35708
1/2	2	4	1/2	.060	35619	35709
1/2	2	4	1/2	.090	35620	35710
1/2	2	4	1/2	.120	35621	35711
1/2	2-1/2	5	1/2	–	34832	34867
1/2	3-1/8	6	1/2	–	34715	34742
5/8	3/4	3	5/8	–	34716	34743
5/8	3/4	3-1/2	5/8	.030	35622	35712
5/8	3/4	3-1/2	5/8	.060	35623	35713
5/8	3/4	3-1/2	5/8	.090	35624	35714
5/8	3/4	3-1/2	5/8	.120	35625	35715
5/8	1-5/8	3-3/4	5/8	–	34717	34744
5/8	1-5/8	3-3/4	5/8	.030	34782	34804
5/8	1-5/8	3-3/4	5/8	.060	34783	34805
5/8	1-5/8	3-3/4	5/8	.090	34784	34806
5/8	1-5/8	3-3/4	5/8	.120	35626	35716
5/8	2-1/8	4	5/8	–	34833	34868
5/8	2-1/2	5	5/8	–	34718	34745
5/8	3-1/4	6	5/8	–	34834	34869
5/8	3-3/4	6	5/8	–	34719	34746
3/4	1	3	3/4	–	34720	34747
3/4	1	4	3/4	.030	35627	35717
3/4	1	4	3/4	.060	35628	35718
3/4	1	4	3/4	.090	35629	35719
3/4	1	4	3/4	.120	35630	35720
3/4	1	4	3/4	.190	35631	35721
3/4	1	4	3/4	.250	35632	35722
3/4	1-5/8	4	3/4	–	34721	34748
3/4	1-5/8	4	3/4	.030	34785	34807

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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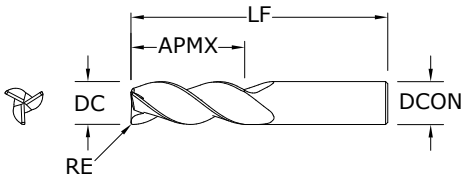
CARB
Solid Carbide End Mills for Aluminum



TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

inch					EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
3/4	1-5/8	4	3/4	.060	34786	34808
3/4	1-5/8	4	3/4	.090	34787	34809
3/4	1-5/8	4	3/4	.120	34815	34817
3/4	1-5/8	4	3/4	.190	35633	35723
3/4	1-5/8	4	3/4	.250	35634	35724
3/4	2-1/4	5	3/4	–	34722	34749
3/4	2-1/4	5	3/4	.030	35635	35725
3/4	2-1/4	5	3/4	.060	35636	35726
3/4	2-1/4	5	3/4	.090	35637	35727
3/4	2-1/4	5	3/4	.120	35638	35728
3/4	2-1/4	5	3/4	.190	35639	35729
3/4	2-1/4	5	3/4	.250	35640	35730
3/4	3-1/4	6	3/4	–	34723	34750
1	1-1/4	4	1	–	34724	34751
1	1-1/4	5	1	.030	35641	35731
1	1-1/4	5	1	.060	35642	35732
1	1-1/4	5	1	.090	35643	35733
1	1-1/4	5	1	.120	35644	35734
1	1-1/4	5	1	.190	35645	35735
1	1-1/4	5	1	.250	35646	35736
1	2	4-1/2	1	–	34725	34752
1	2	4-1/2	1	.030	34789	34811
1	2	4-1/2	1	.060	34790	34812
1	2	4-1/2	1	.090	34791	34813
1	2	4-1/2	1	.120	34816	34818
1	2	5	1	.190	35647	35737
1	2	5	1	.250	35648	35738
1	2-5/8	6	1	–	34726	34753
1	3-1/4	6	1	–	34727	34754
1	3-1/4	6	1	.030	35649	35739
1	3-1/4	6	1	.060	35650	35740
1	3-1/4	6	1	.090	35651	35741
1	3-1/4	6	1	.120	35652	35742
1	3-1/4	6	1	.190	35653	35743
1	3-1/4	6	1	.250	35654	35744
1	4-1/8	7	1	–	34835	34870

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

Square

Corner

Straight

Stub, Regular, Long, Extra Long

Right Spiral

Positive Rake

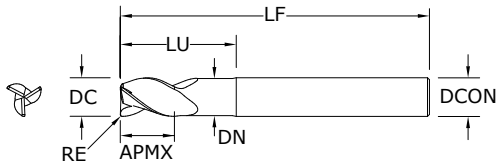
Flutes

TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



CARB® Solid Carbide End Mills for Aluminum

Square

Corner

Straight

Long Reach Neck

38°
Right Spiral

POS
Positive Rake

3
Flutes

inch							EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Reach LU	Neck Diameter DN	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
1/8	5/32	3	1/8	1/2	.105	–	32700	32725
1/8	5/32	3	1/8	1/2	.105	.010	32751	32815
1/8	5/32	3	1/8	3/4	.105	–	32691	34888
3/16	7/32	3	3/16	1/2	.105	–	32701	32726
3/16	7/32	3	3/16	1/2	.167	.010	32752	32816
3/16	7/32	3	3/16	3/4	.167	–	32692	34889
1/4	3/8	2-1/2	1/4	3/4	.230	.015	35787	36235
1/4	3/8	2-1/2	1/4	3/4	.230	.060	35788	36236
1/4	3/8	4	1/4	3/4	.230	–	32702	32727
1/4	3/8	4	1/4	3/4	.230	.010	32753	32817
1/4	3/8	4	1/4	3/4	.230	.030	32754	32818
1/4	3/8	4	1/4	1-1/2	.230	–	32703	32728
1/4	3/8	4	1/4	1-1/2	.230	.010	32755	32819
1/4	3/8	4	1/4	1-1/2	.230	.030	32756	32820
1/4	3/8	4	1/4	2-1/8	.230	–	32704	32729
1/4	3/8	4	1/4	2-1/8	.230	.010	32757	32821
1/4	3/8	4	1/4	2-1/8	.230	.030	32758	32822
5/16	7/16	4	5/16	1-1/8	.292	–	32705	32730
5/16	7/16	4	5/16	1-1/8	.292	.030	32759	32823
5/16	7/16	4	5/16	2-1/8	.292	–	32706	32731
5/16	7/16	4	5/16	2-1/8	.292	.030	32760	32824
3/8	1/2	3	3/8	1-1/8	.355	.015	35791	36239
3/8	1/2	3	3/8	1-1/8	.355	.090	35792	36240
3/8	1/2	4	3/8	1-1/8	.355	–	32707	32732
3/8	1/2	4	3/8	1-1/8	.355	.030	32762	32826
3/8	1/2	4	3/8	1-1/8	.355	.060	32763	32827
3/8	1/2	4	3/8	2-1/8	.355	–	32708	32733
3/8	1/2	4	3/8	2-1/8	.355	.030	32764	32828
3/8	1/2	4	3/8	2-1/8	.355	.060	32765	32829
1/2	5/8	3	1/2	1-3/8	.480	.015	35795	36243
1/2	5/8	4	1/2	1-3/8	.480	–	32709	32734
1/2	5/8	4	1/2	1-3/8	.480	.030	32767	32831
1/2	5/8	4	1/2	1-3/8	.480	.060	32768	32832
1/2	5/8	4	1/2	1-3/8	.480	.090	32769	32833
1/2	5/8	4	1/2	1-3/8	.480	.120	32770	32834
1/2	5/8	4	1/2	2-1/4	.480	.015	35796	36244

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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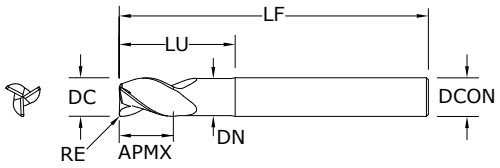
CARB
Solid Carbide End Mills for Aluminum



TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

inch							EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Reach LU	Neck Diameter DN	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
1/2	5/8	6	1/2	2-1/8	.480	–	32710	32735
1/2	5/8	6	1/2	2-1/8	.480	.030	32771	32835
1/2	5/8	6	1/2	2-1/8	.480	.060	32772	32836
1/2	5/8	6	1/2	2-1/8	.480	.090	32773	32837
1/2	5/8	6	1/2	2-1/8	.480	.120	32774	32838
1/2	5/8	6	1/2	3-3/8	.480	–	32711	32736
1/2	5/8	6	1/2	3-3/8	.480	.030	32775	32839
1/2	5/8	6	1/2	3-3/8	.480	.060	32776	32840
1/2	5/8	6	1/2	3-3/8	.480	.090	32777	32841
1/2	5/8	6	1/2	3-3/8	.480	.120	32778	32842
1/2	5/8	6	1/2	4-1/4	.480	–	32697	34894
5/8	3/4	4	5/8	1-3/4	.605	–	32712	32737
5/8	3/4	4	5/8	1-3/4	.605	.030	32779	32843
5/8	3/4	4	5/8	1-3/4	.605	.060	32780	32844
5/8	3/4	4	5/8	1-3/4	.605	.090	32781	32845
5/8	3/4	4	5/8	1-3/4	.605	.120	32782	32846
5/8	3/4	4	5/8	2-3/8	.605	–	32713	32738
5/8	3/4	4	5/8	2-3/8	.605	.030	32783	32847
5/8	3/4	4	5/8	2-3/8	.605	.060	32784	32848
5/8	3/4	4	5/8	2-3/8	.605	.090	32785	32849
5/8	3/4	4	5/8	2-3/8	.605	.120	32786	32850
5/8	3/4	6	5/8	3-3/8	.605	–	32714	32739
5/8	3/4	6	5/8	3-3/8	.605	.030	32787	32851
5/8	3/4	6	5/8	3-3/8	.605	.060	32788	32852
5/8	3/4	6	5/8	3-3/8	.605	.090	32789	32853
5/8	3/4	6	5/8	3-3/8	.605	.120	32790	32854
5/8	3/4	6	5/8	4-3/8	.605	–	32698	34895
3/4	1	4	3/4	1-3/4	.730	–	32715	32740
3/4	1	4	3/4	1-3/4	.730	.030	32791	32855
3/4	1	4	3/4	1-3/4	.730	.060	32792	32856
3/4	1	4	3/4	1-3/4	.730	.090	32793	32857
3/4	1	4	3/4	1-3/4	.730	.120	32794	32858
3/4	1	4	3/4	2	.730	.190	35803	36251
3/4	1	4	3/4	2	.730	.250	35804	36252

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

Square

Corner

Straight

Long Reach Neck

Right Spiral

Positive Rake

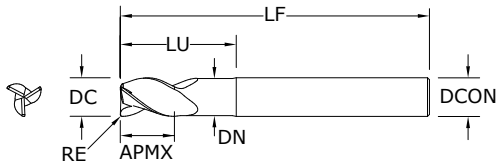
Flutes

TOLERANCES (inch)

DIAMETER	DC	DCON
1/8 - 1/4	+0.0000 / –0.0032	h6
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020



CARB® Solid Carbide End Mills for Aluminum

Square

Corner

Straight

Long Reach Neck

38°
Right Spiral

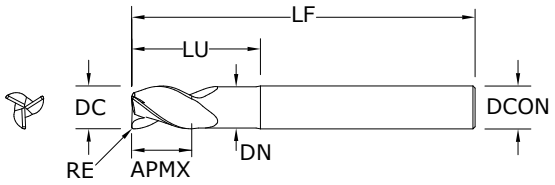
POS
Positive Rake

3
Flutes

			inch				EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Reach LU	Neck Diameter DN	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
3/4	1	6	3/4	2-3/8	.730	–	32716	32741
3/4	1	6	3/4	2-3/8	.730	.030	32795	32859
3/4	1	6	3/4	2-3/8	.730	.060	32796	32860
3/4	1	6	3/4	2-3/8	.730	.090	32797	32861
3/4	1	6	3/4	2-3/8	.730	.120	32798	32862
3/4	1	6	3/4	3-3/8	.730	–	32717	32742
3/4	1	6	3/4	3-3/8	.730	.030	32799	32863
3/4	1	6	3/4	3-3/8	.730	.060	32800	32864
3/4	1	6	3/4	3-3/8	.730	.090	32801	32865
3/4	1	6	3/4	3-3/8	.730	.120	32802	32866
3/4	1	6	3/4	4-3/8	.730	–	32699	34896
1	1-1/4	5	1	2-5/8	.980	.190	35809	36257
1	1-1/4	5	1	2-5/8	.980	.250	35810	36258
1	1-1/4	6	1	2-3/8	.980	–	32718	32743
1	1-1/4	6	1	2-3/8	.980	.030	32803	32867
1	1-1/4	6	1	2-3/8	.980	.060	32804	32868
1	1-1/4	6	1	2-3/8	.980	.090	32805	32869
1	1-1/4	6	1	2-3/8	.980	.120	32806	32870
1	1-1/4	6	1	3-3/8	.980	–	32719	32744
1	1-1/4	6	1	3-3/8	.980	.030	32807	32871
1	1-1/4	6	1	3-3/8	.980	.060	32808	32872
1	1-1/4	6	1	3-3/8	.980	.090	32809	32873
1	1-1/4	6	1	3-3/8	.980	.120	32810	32874
1	1-1/4	6	1	3-3/8	.980	.190	35811	36259
1	1-1/4	6	1	3-3/8	.980	.250	35812	36260
1	1-1/4	7	1	4-3/8	.980	–	32720	32745

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

CARB
Solid Carbide End Mills for Aluminum



TOLERANCES (inch)

DIAMETER	DC	DCON
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

CORNER RADIUS TOLERANCES (inch)

RE = +0.0000 / –0.0020

inch							EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Reach LU	Neck Diameter DN	Corner Radius RE	Uncoated	Ti-NAMITE®-B (TB)
1/4	3/8	3	1/4	1-1/8	.230	.015	35789	36237
1/4	3/8	3	1/4	1-1/8	.230	.060	35790	36238
3/8	1/2	4	3/8	2-1/8	.355	.015	35793	36241
3/8	1/2	4	3/8	2-1/8	.355	.090	35794	36242
1/2	5/8	5	1/2	3-3/8	.480	.015	35797	36245
1/2	5/8	6	1/2	4-1/4	.480	.015	35798	36246
1/2	5/8	6	1/2	4-1/4	.480	.030	35799	36247
1/2	5/8	6	1/2	4-1/4	.480	.060	35800	36248
1/2	5/8	6	1/2	4-1/4	.480	.090	35801	36249
1/2	5/8	6	1/2	4-1/4	.480	.120	35802	36250
3/4	1	6	3/4	3-3/8	.730	.190	35805	36253
3/4	1	6	3/4	3-3/8	.730	.250	35806	36254
1	1-1/4	7	1	4-3/8	.980	.030	35813	36261
1	1-1/4	7	1	4-3/8	.980	.060	35814	36262
1	1-1/4	7	1	4-3/8	.980	.090	35815	36263
1	1-1/4	7	1	4-3/8	.980	.120	35816	36264
1	1-1/4	7	1	4-3/8	.980	.190	35817	36265
1	1-1/4	7	1	4-3/8	.980	.250	35818	36266

Corner

Straight

Long Reach Neck

Right Spiral

Positive Rake

3
Flutes

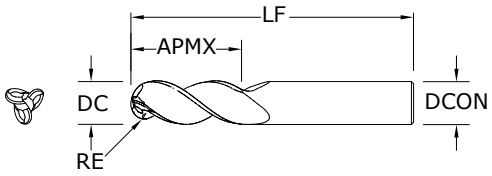
Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

TOLERANCES (inch)

DIAMETER	DC	DCON
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

BALL RADIUS TOLERANCES (inch)

RE = +0.0005 / –0.0005



CARB® Solid Carbide End Mills for Aluminum

Ball

Straight

Stub, Regular, Long

38°
Right Spiral

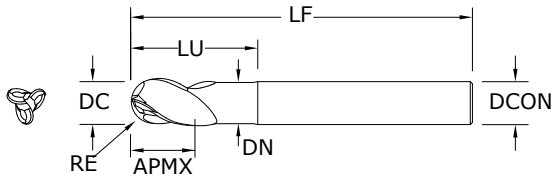
POS
Positive Rake

3
Flutes

inch				EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Uncoated	Ti-NAMITE®-B (TB)
1/4	3/8	2	1/4	34916	34972
1/4	3/4	2-1/2	1/4	34917	34973
1/4	1	3	1/4	34918	34974
3/8	1/2	2	3/8	34919	34975
3/8	1	2-1/2	3/8	34920	34976
3/8	1-1/2	3-1/2	3/8	34921	34977
1/2	5/8	2-1/2	1/2	34922	34978
1/2	1	3	1/2	34923	34979
1/2	1-1/4	3	1/2	34924	34980
1/2	1-5/8	4	1/2	34925	34981
1/2	2	4	1/2	34926	34982
5/8	3/4	3	5/8	34927	34983
5/8	1-5/8	4	5/8	34928	34984
3/4	1	3	3/4	34929	34985
3/4	1-5/8	4	3/4	34930	34986
3/4	2-1/4	5	3/4	34931	34987
1	1-1/4	4	1	34932	34988
1	2	5	1	34933	34989
1	3-1/4	6	1	34934	34990

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

CARB
Solid Carbide End Mills for Aluminum



TOLERANCES (inch)

DIAMETER	DC	DCON
> 1/4 - 3/8	+0.0000 / –0.0035	h6
> 1/2 - 5/8	+0.0000 / –0.0043	h6
> 3/4 - 1	+0.0000 / –0.0051	h6

BALL RADIUS TOLERANCES (inch)

RE = +0.0005 / –0.0005

inch						EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Reach LU	Neck Diameter DN	Uncoated	Ti-NAMITE®-B (TB)
1/4	3/8	2-1/2	1/4	3/4	.230	34941	35005
3/8	1/2	3	3/8	1-1/8	.355	34943	35007
1/2	5/8	3	1/2	1-3/8	.480	34945	35009
1/2	5/8	4	1/2	2-1/4	.480	34946	35010
5/8	3/4	4	5/8	1-5/8	.605	34949	35013
3/4	1	4	3/4	2	.730	34951	35015
1	1-1/4	5	1	2-5/8	.980	34954	35018
1	1-1/4	6	1	3-3/8	.980	34955	35019

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

inch						EDP NO.	
Cutting Diameter DC	Length of Cut APMX	Overall Length LF	Shank Diameter DCON	Neck Diameter DN	Reach LU	Uncoated	Ti-NAMITE®-B (TB)
1/4	3/8	3	1/4	.230	1-1/8	34942	35006
3/8	1/2	4	3/8	.355	2-1/8	34944	35008
1/2	5/8	5	1/2	.480	3-3/8	34947	35011
1/2	5/8	6	1/2	.480	4-1/4	34948	35012
5/8	3/4	6	5/8	.605	3-3/8	34950	35014
3/4	1	6	3/4	.730	3-3/8	34952	35016
1	1-1/4	7	1	.980	4-3/8	34956	35020

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

Ball

Straight

Long Reach Neck

Right Spiral

Positive Rake

Flutes

HI-PERCARB®

HIGH PERFORMANCE CARBIDE DRILLS

Custom Handgun Frame

Stripped Bolt Carrier

HIPERCARB® SERIES 142P

The key features designed into the Hi-PerCarb® Series 142P Drill allow the product to offer application benefits not only beyond that of standard carbide drills, but also other High Performance drills. Each feature of the Hi-PerCarb® Series 142P Drill was uniquely engineered as a solution towards addressing the issues commonly encountered during high production drilling.

- 4 margin design improves hole straightness and roundness while providing improved stability for difficult applications like cross holes and when exiting on angle
- High-performance point design stabilizes on entry for exceptional hole size and cylindricity while also allowing for low thrust force and extended tool life
- Internal coolant through design improves coolant flow to extend tool life and aid in chip evacuation
- Proprietary SGS Ti-NAMITE®-X coating and certified carbide provide exceptional wear resistance and toughness for demanding applications

TESTING PARAMETERS

- 3/8" Diameter
- 8XD Length of Cut
- 4140 Alloy Steel
- 3360 rpm
- 30 ipm
- 3.0" axial depth – blind
- TSC – Water Sol 8.9%

HOLE FINISH TEST RESULTS

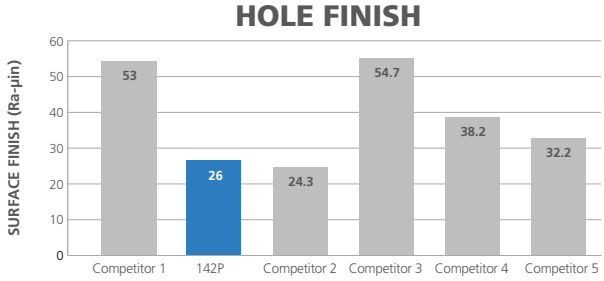
The lower numerical value shown in the chart demonstrates an improved surface finish in alloy steel versus other competitors tested.

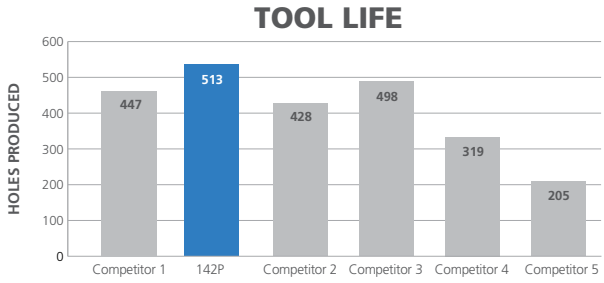
TOOL LIFE

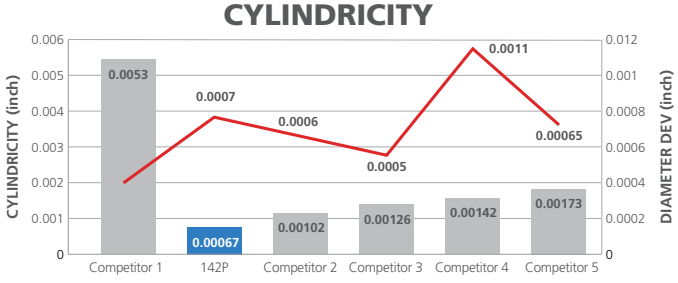
All tools were tested until catastrophic failure. Under these conditions, The HI-PERCARB® 142P demonstrated more longevity than all of its competitors.

CYLINDRICITY

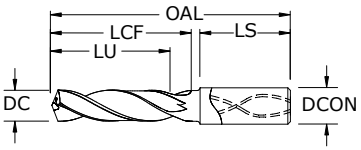
CMM measurements of 14 random holes per competitor indicate the 142P cylindricity is the best among those tested.







HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)		
DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)		
DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
3,0 mm	0.1181			6,0	62,0	20,0	14,0	36,0	66400
3,1 mm	0.1220			6,0	62,0	20,0	14,0	36,0	66401
1/8	0.1250	3.18		6,0	62,0	20,0	14,0	36,0	56400
3,2 mm	0.1260		M3,5 X 0,35	6,0	62,0	20,0	14,0	36,0	66402
3,3 mm	0.1299		M4 X 0,7	6,0	62,0	20,0	14,0	36,0	66403
3,4 mm	0.1339			6,0	62,0	20,0	14,0	36,0	66404
#29	0.1360	3.45	8-32,8-36	6,0	62,0	20,0	14,0	36,0	56401
3,5 mm	0.1378		M4 X 0,5	6,0	62,0	20,0	14,0	36,0	66405
9/64	0.1406	3.57		6,0	62,0	20,0	14,0	36,0	56402
3,6 mm	0.1417		M4 X 0,35	6,0	62,0	20,0	14,0	36,0	66406
3,7 mm	0.1457		M4,5 X 0,75	6,0	62,0	20,0	14,0	36,0	66407
3,8 mm	0.1496		10-24	6,0	66,0	24,0	17,0	36,0	66408
3,9 mm	0.1535			6,0	66,0	24,0	17,0	36,0	66409
5/32	0.1562	3.97		6,0	66,0	24,0	17,0	36,0	56403
4,0 mm	0.1575		M4,5 X 0,5	6,0	66,0	24,0	17,0	36,0	66410
#21	0.1590	4.04	10-32	6,0	66,0	24,0	17,0	36,0	56404
4,1 mm	0.1614			6,0	66,0	24,0	17,0	36,0	66411
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	66,0	24,0	17,0	36,0	66412
4,3 mm	0.1693			6,0	66,0	24,0	17,0	36,0	66413
11/64	0.1719	4.37		6,0	66,0	24,0	17,0	36,0	56405
4,4 mm	0.1732		12-24	6,0	66,0	24,0	17,0	36,0	66414
4,5 mm	0.1772		M5 X 0,5	6,0	66,0	24,0	17,0	36,0	66415
4,6 mm	0.1811		12-28	6,0	66,0	24,0	17,0	36,0	66416
4,7 mm	0.1850		12-32	6,0	66,0	24,0	17,0	36,0	66417
3/16	0.1875	4.76		6,0	66,0	28,0	20,0	36,0	56406
4,8 mm	0.1890		7/32-32	6,0	66,0	28,0	20,0	36,0	66418
4,9 mm	0.1929			6,0	66,0	28,0	20,0	36,0	66419
5,0 mm	0.1969		M6 X 1	6,0	66,0	28,0	20,0	36,0	66420
5,1 mm	0.2008		1/4-20	6,0	66,0	28,0	20,0	36,0	66421
13/64	0.2031	5.16		6,0	66,0	28,0	20,0	36,0	56407
5,2 mm	0.2047		M6 X 0,75	6,0	66,0	28,0	20,0	36,0	66422
5,3 mm	0.2087			6,0	66,0	28,0	20,0	36,0	66423
5,4 mm	0.2126			6,0	66,0	28,0	20,0	36,0	66424
5,5 mm	0.2165		M6 X 0,5	6,0	66,0	28,0	20,0	36,0	66425
7/32	0.2188	5.56	1/4-32	6,0	66,0	28,0	20,0	36,0	56408
5,6 mm	0.2205			6,0	66,0	28,0	20,0	36,0	66426
5,7 mm	0.2244			6,0	66,0	28,0	20,0	36,0	66427
5,8 mm	0.2283			6,0	66,0	28,0	20,0	36,0	66428

Common
3xD Reach
30° Helix Angle
Internal Coolant
135° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

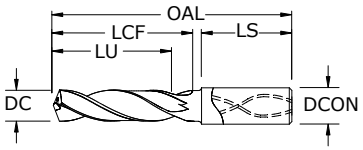
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6



Common

3xD
Reach

30°
Helix Angle

Internal Coolant

135°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
5,9 mm	0.2323			6,0	66,0	28,0	20,0	36,0	66429
15/64	0.2344	5.95		6,0	66,0	28,0	20,0	36,0	56409
6,0 mm	0.2362		M7 X 1	6,0	66,0	28,0	20,0	36,0	66430
6,1 mm	0.2402			8,0	79,0	34,0	24,0	36,0	66431
6,2 mm	0.2441		M7 X 0,75	8,0	79,0	34,0	24,0	36,0	66432
6,3 mm	0.2480			8,0	79,0	34,0	24,0	36,0	66433
1/4	0.2500	6.35		8,0	79,0	34,0	24,0	36,0	56410
6,4 mm	0.2520			8,0	79,0	34,0	24,0	36,0	66434
6,5 mm	0.2559			8,0	79,0	34,0	24,0	36,0	66435
F	0.2570	6.53	5/16-18	8,0	79,0	34,0	24,0	36,0	56411
6,6 mm	0.2598			8,0	79,0	34,0	24,0	36,0	66436
6,7 mm	0.2638			8,0	79,0	34,0	24,0	36,0	66437
17/64	0.5656	6.75	5/16-20	8,0	79,0	34,0	24,0	36,0	56412
6,8 mm	0.2677		M8 X 1,25	8,0	79,0	34,0	24,0	36,0	66438
6,9 mm	0.2717		5/16-24	8,0	79,0	34,0	24,0	36,0	66439
7,0 mm	0.2756		M8 X 1	8,0	79,0	34,0	24,0	36,0	66440
7,1 mm	0.2795			8,0	79,0	41,0	29,0	36,0	66441
9/32	0.2812	7.14	5/16-32	8,0	79,0	41,0	29,0	36,0	56413
7,2 mm	0.2835		M8 X 0,75	8,0	79,0	41,0	29,0	36,0	66442
7,3 mm	0.2874			8,0	79,0	41,0	29,0	36,0	66443
7,4 mm	0.2913			8,0	79,0	41,0	29,0	36,0	66444
7,5 mm	0.2953		M8 X 0,5	8,0	79,0	41,0	29,0	36,0	66445
19/64	0.2969	7.54		8,0	79,0	41,0	29,0	36,0	56414
7,6 mm	0.2992			8,0	79,0	41,0	29,0	36,0	66446
7,7 mm	0.3031			8,0	79,0	41,0	29,0	36,0	66447
7,8 mm	0.3071		M9 X 1,25	8,0	79,0	41,0	29,0	36,0	66448
7,9 mm	0.3110			8,0	79,0	41,0	29,0	36,0	66449
5/16	0.3125	7.94	3/8-16	8,0	79,0	41,0	29,0	36,0	56415
8,0 mm	0.3150		M9 X 1	8,0	79,0	41,0	29,0	36,0	66450
8,1 mm	0.3189			10,0	89,0	47,0	35,0	40,0	66451
8,2 mm	0.3228			10,0	89,0	47,0	35,0	40,0	66452
8,3 mm	0.3268			10,0	89,0	47,0	35,0	40,0	66453
21/64	0.3281	8.33	3/8-20	10,0	89,0	47,0	35,0	40,0	56416
8,4 mm	0.3307			10,0	89,0	47,0	35,0	40,0	66454
Q	0.3320	8.43	3/8-24	10,0	89,0	47,0	35,0	40,0	56417
8,5 mm	0.3346		M10 X 1,5	10,0	89,0	47,0	35,0	40,0	66455
8,6 mm	0.3386			10,0	89,0	47,0	35,0	40,0	66456
8,7 mm	0.3425			10,0	89,0	47,0	35,0	40,0	66457

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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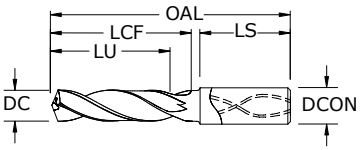
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
11/32	0.3438	8.73	3/8-32	10,0	89,0	47,0	35,0	40,0	56418
8,8 mm	0.3465		M10 X 1,25	10,0	89,0	47,0	35,0	40,0	66458
8,9 mm	0.3504			10,0	89,0	47,0	35,0	40,0	66459
9,0 mm	0.3543			10,0	89,0	47,0	35,0	40,0	66460
9,1 mm	0.3583			10,0	89,0	47,0	35,0	40,0	66461
23/64	0.3594	9.13		10,0	89,0	47,0	35,0	40,0	56419
9,2 mm	0.3622		M10 X 0,75	10,0	89,0	47,0	35,0	40,0	66462
9,3 mm	0.3661			10,0	89,0	47,0	35,0	40,0	66463
U	0.3680	9.35	7/16-14	10,0	89,0	47,0	35,0	40,0	56420
9,4 mm	0.3701			10,0	89,0	47,0	35,0	40,0	66464
9,5 mm	0.3740			10,0	89,0	47,0	35,0	40,0	66465
3/8	0.3750	9.53		10,0	89,0	47,0	35,0	40,0	56421
9,6 mm	0.3780			10,0	89,0	47,0	35,0	40,0	66466
9,7 mm	0.3819			10,0	89,0	47,0	35,0	40,0	66467
9,8 mm	0.3858			10,0	89,0	47,0	35,0	40,0	66468
9,9 mm	0.3898			10,0	89,0	47,0	35,0	40,0	66469
25/64	0.3906	9.92	7/16-20	10,0	89,0	47,0	35,0	40,0	56422
10,0 mm	0.3937			10,0	89,0	47,0	35,0	40,0	66470
10,1 mm	0.3976			12,0	102,0	55,0	40,0	45,0	66471
10,2 mm	0.4016		M12 X 1,75	12,0	102,0	55,0	40,0	45,0	66472
10,3 mm	0.4055			12,0	102,0	55,0	40,0	45,0	66473
13/32	0.4062	10.32		12,0	102,0	55,0	40,0	45,0	56423
10,4 mm	0.4094			12,0	102,0	55,0	40,0	45,0	66474
10,5 mm	0.4134		M12 X 1,5	12,0	102,0	55,0	40,0	45,0	66475
10,6 mm	0.4173			12,0	102,0	55,0	40,0	45,0	66476
10,7 mm	0.4213			12,0	102,0	55,0	40,0	45,0	66477
27/64	0.4219	10.72	1/2-13	12,0	102,0	55,0	40,0	45,0	56424
10,8 mm	0.4252		M12 X 1,25	12,0	102,0	55,0	40,0	45,0	66478
10,9 mm	0.4291			12,0	102,0	55,0	40,0	45,0	66479
11,0 mm	0.4331		M12 X 1	12,0	102,0	55,0	40,0	45,0	66480
11,1 mm	0.4370			12,0	102,0	55,0	40,0	45,0	66481
7/16	0.4375	11.11	1/4-18NPT	12,0	102,0	55,0	40,0	45,0	56425
11,2 mm	0.4409			12,0	102,0	55,0	40,0	45,0	66482
11,3 mm	0.4449			12,0	102,0	55,0	40,0	45,0	66483
11,4 mm	0.4488			12,0	102,0	55,0	40,0	45,0	66484
11,5 mm	0.4528		M12 X 0,5	12,0	102,0	55,0	40,0	45,0	66485
11,6 mm	0..4567			12,0	102,0	55,0	40,0	45,0	66486
11,7 mm	0.4606			12,0	102,0	55,0	40,0	45,0	66487

Common
3xD Reach
30° Helix Angle
Internal Coolant
135° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

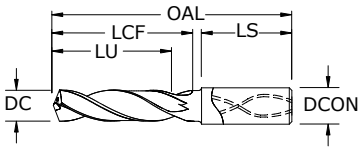
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6



Common

3xD
Reach

30°
Helix Angle

Internal Coolant

135°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
11,8 mm	0.4646			12,0	102,0	55,0	40,0	45,0	66488
11,9 mm	0.4685			12,0	102,0	55,0	40,0	45,0	66489
15/32	0.4688	11.91	1/2-28	12,0	102,0	55,0	40,0	45,0	56426
12,0 mm	0.4724		M14 X 2	12,0	102,0	55,0	40,0	45,0	66490
31/64	0.4844	12.30	9/16-12	14,0	107,0	60,0	43,0	45,0	56427
12,5 mm	0.4921		M14 X 1,5	14,0	107,0	60,0	43,0	45,0	66491
1/2	0.5000	12.70		14,0	107,0	60,0	43,0	45,0	56428
12,8 mm	0.5039		M14 X 1,25	14,0	107,0	60,0	43,0	45,0	66492
13,0 mm	0.5118		M14 X 1	14,0	107,0	60,0	43,0	45,0	66493
33/64	0.5156	13.10	9/16-18	14,0	107,0	60,0	43,0	45,0	56429
13,5 mm	0.5315		5/8-11	14,0	107,0	60,0	43,0	45,0	66494
13,8 mm	0.5433			14,0	107,0	60,0	43,0	45,0	66495
14,0 mm	0.5512		M16 X 2	14,0	107,0	60,0	43,0	45,0	66496
9/16	0.5625	14.29		16,0	115,0	65,0	45,0	48,0	56430
14,5 mm	0.5709		M16 X 1,5	16,0	115,0	65,0	45,0	48,0	66497
37/64	0.5781	14.68	5/8-18	16,0	115,0	65,0	45,0	48,0	56431
14,8 mm	0.5827			16,0	115,0	65,0	45,0	48,0	66498
15,0 mm	0.5906		M16 X 1	16,0	115,0	65,0	45,0	48,0	66499
15,5 mm	0.6102		M18 X 2,5	16,0	115,0	65,0	45,0	48,0	66500
15,8 mm	0.6220			16,0	115,0	65,0	45,0	48,0	66501
5/8	0.6250	15.88	11/16-16	16,0	115,0	65,0	45,0	48,0	56432
16,0 mm	0.6299			16,0	115,0	65,0	45,0	48,0	66502
21/32	0.6562	16.67	3/4-10	18,0	123,0	73,0	51,0	48,0	56433
11/16	0.6875	17.46	3/4-16	18,0	123,0	73,0	51,0	48,0	56434
3/4	0.7500	19.05	13/16-16	20,0	131,0	79,0	55,0	50,0	56435

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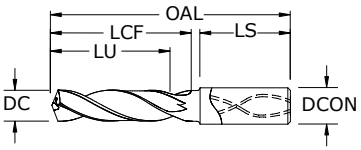
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)		
DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)		
DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
3,0 mm	0.1181			6,0	66,0	28,0	23,0	36,0	66503
3,1 mm	0.1220			6,0	66,0	28,0	23,0	36,0	66504
1/8	0.1250	3.18		6,0	66,0	28,0	23,0	36,0	56436
3,2 mm	0.1260		M3,5 X 0,35	6,0	66,0	28,0	23,0	36,0	66505
3,3 mm	0.1299		M4 X 0,7	6,0	66,0	28,0	23,0	36,0	66506
3,4 mm	0.1339			6,0	66,0	28,0	23,0	36,0	66507
#29	0.1360	3.45	8-32,8-36	6,0	66,0	28,0	23,0	36,0	56437
3,5 mm	0.1378		M4 X 0,5	6,0	66,0	28,0	23,0	36,0	66508
9/64	0.1406	3.57		6,0	66,0	28,0	23,0	36,0	56438
3,6 mm	0.1417		M4 X 0,35	6,0	66,0	28,0	23,0	36,0	66509
3,7 mm	0.1457		M4,5 X 0,75	6,0	66,0	28,0	23,0	36,0	66510
3,8 mm	0.1496		10-24	6,0	74,0	36,0	29,0	36,0	66511
3,9 mm	0.1535			6,0	74,0	36,0	29,0	36,0	66512
5/32	0.1562	3.97		6,0	74,0	36,0	29,0	36,0	56439
4,0 mm	0.1575		M4,5 X 0,5	6,0	74,0	36,0	29,0	36,0	66513
#21	0.1590	4.04	10-32	6,0	74,0	36,0	29,0	36,0	56440
4,1 mm	0.1614			6,0	74,0	36,0	29,0	36,0	66514
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	74,0	36,0	29,0	36,0	66515
4,3 mm	0.1693			6,0	74,0	36,0	29,0	36,0	66516
11/64	0.1719	4.37		6,0	74,0	36,0	29,0	36,0	56441
4,4 mm	0.1732		12-24	6,0	74,0	36,0	29,0	36,0	66517
4,5 mm	0.1772		M5 X 0,5	6,0	74,0	36,0	29,0	36,0	66518
4,6 mm	0.1811		12-28	6,0	74,0	36,0	29,0	36,0	66519
4,7 mm	0.1850		12-32	6,0	74,0	36,0	29,0	36,0	66520
3/16	0.1875	4.76		6,0	82,0	44,0	35,0	36,0	56442
4,8 mm	0.1890		7/32-32	6,0	82,0	44,0	35,0	36,0	66521
4,9 mm	0.1929			6,0	82,0	44,0	35,0	36,0	66522
5,0 mm	0.1969		M6 X 1	6,0	82,0	44,0	35,0	36,0	66523
5,1 mm	0.2008		1/4-20	6,0	82,0	44,0	35,0	36,0	66524
13/64	0.2031	5.16		6,0	82,0	44,0	35,0	36,0	56443
5,2 mm	0.2047		M6 X 0,75	6,0	82,0	44,0	35,0	36,0	66525
5,3 mm	0.2087			6,0	82,0	44,0	35,0	36,0	66526
5,4 mm	0.2126			6,0	82,0	44,0	35,0	36,0	66527
5,5 mm	0.2165		M6 X 0,5	6,0	82,0	44,0	35,0	36,0	66528
7/32	0.2188	5.56	1/4-32	6,0	82,0	44,0	35,0	36,0	56444
5,6 mm	0.2205			6,0	82,0	44,0	35,0	36,0	66529
5,7 mm	0.2244			6,0	82,0	44,0	35,0	36,0	66530
5,8 mm	0.2283			6,0	82,0	44,0	35,0	36,0	66531

Common
5xD Reach
30° Helix Angle
Internal Coolant
135° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

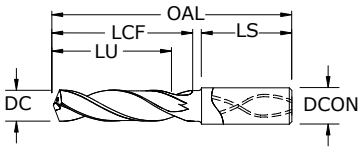
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6



Common

5xD
Reach

30°
Helix Angle

Internal Coolant

135°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
5,9 mm	0.2323			6,0	82,0	44,0	35,0	36,0	66532
15/64	0.2344	5.95		6,0	82,0	44,0	35,0	36,0	56445
6,0 mm	0.2362		M7 X 1	6,0	82,0	44,0	35,0	36,0	66533
6,1 mm	0.2402			8,0	91,0	53,0	43,0	36,0	66534
6,2 mm	0.2441		M7 X 0,75	8,0	91,0	53,0	43,0	36,0	66535
6,3 mm	0.2480			8,0	91,0	53,0	43,0	36,0	66536
1/4	0.2500	6.35		8,0	91,0	53,0	43,0	36,0	56446
6,4 mm	0.2520			8,0	91,0	53,0	43,0	36,0	66537
6,5 mm	0.2559			8,0	91,0	53,0	43,0	36,0	66538
F	0.2570	6.53	5/16-18	8,0	91,0	53,0	43,0	36,0	56447
6,6 mm	0.2598			8,0	91,0	53,0	43,0	36,0	66539
6,7 mm	0.2638			8,0	91,0	53,0	43,0	36,0	66540
17/64	0.5656	6.75	5/16-20	8,0	91,0	53,0	43,0	36,0	56448
6,8 mm	0.2677		M8 X 1,25	8,0	91,0	53,0	43,0	36,0	66541
6,9 mm	0.2717		5/16-24	8,0	91,0	53,0	43,0	36,0	66542
7,0 mm	0.2756		M8 X 1	8,0	91,0	53,0	43,0	36,0	66543
7,1 mm	0.2795			8,0	91,0	53,0	43,0	36,0	66544
9/32	0.2812	7.14	5/16-32	8,0	91,0	53,0	43,0	36,0	56449
7,2 mm	0.2835		M8 X 0,75	8,0	91,0	53,0	43,0	36,0	66545
7,3 mm	0.2874			8,0	91,0	53,0	43,0	36,0	66546
7,4 mm	0.2913			8,0	91,0	53,0	43,0	36,0	66547
7,5 mm	0.2953		M8 X 0,5	8,0	91,0	53,0	43,0	36,0	66548
19/64	0.2969	7.54		8,0	91,0	53,0	43,0	36,0	56450
7,6 mm	0.2992			8,0	91,0	53,0	43,0	36,0	66549
7,7 mm	0.3031			8,0	91,0	53,0	43,0	36,0	66550
7,8 mm	0.3071		M9 X 1,25	8,0	91,0	53,0	43,0	36,0	66551
7,9 mm	0.3110			8,0	91,0	53,0	43,0	36,0	66552
5/16	0.3125	7.94	3/8-16	8,0	91,0	53,0	43,0	36,0	56451
8,0 mm	0.3150		M9 X 1	8,0	91,0	53,0	43,0	36,0	66553
8,1 mm	0.3189			10,0	103,0	61,0	49,0	40,0	66554
8,2 mm	0.3228			10,0	103,0	61,0	49,0	40,0	66555
8,3 mm	0.3268			10,0	103,0	61,0	49,0	40,0	66556
21/64	0.3281	8.33	3/8-20	10,0	103,0	61,0	49,0	40,0	56452
8,4 mm	0.3307			10,0	103,0	61,0	49,0	40,0	66557
Q	0.3320	8.43	3/8-24	10,0	103,0	61,0	49,0	40,0	56453
8,5 mm	0.3346		M10 X 1,5	10,0	103,0	61,0	49,0	40,0	66558
8,6 mm	0.3386			10,0	103,0	61,0	49,0	40,0	66559
8,7 mm	0.3425			10,0	103,0	61,0	49,0	40,0	66560

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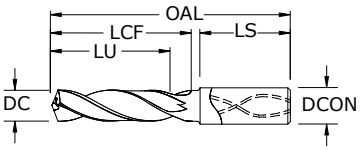
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
11/32	0.3438	8.73	3/8-32	10,0	103,0	61,0	49,0	40,0	56454
8,8 mm	0.3465		M10 X 1,25	10,0	103,0	61,0	49,0	40,0	66561
8,9 mm	0.3504			10,0	103,0	61,0	49,0	40,0	66562
9,0 mm	0.3543			10,0	103,0	61,0	49,0	40,0	66563
9,1 mm	0.3583			10,0	103,0	61,0	49,0	40,0	66564
23/64	0.3594	9.13		10,0	103,0	61,0	49,0	40,0	56455
9,2 mm	0.3622		M10 X 0,75	10,0	103,0	61,0	49,0	40,0	66565
9,3 mm	0.3661			10,0	103,0	61,0	49,0	40,0	66566
U	0.3680	9.35	7/16-14	10,0	103,0	61,0	49,0	40,0	56456
9,4 mm	0.3701			10,0	103,0	61,0	49,0	40,0	66567
9,5 mm	0.3740			10,0	103,0	61,0	49,0	40,0	66568
3/8	0.3750	9.53		10,0	103,0	61,0	49,0	40,0	56457
9,6 mm	0.3780			10,0	103,0	61,0	49,0	40,0	66569
9,7 mm	0.3819			10,0	103,0	61,0	49,0	40,0	66570
9,8 mm	0.3858			10,0	103,0	61,0	49,0	40,0	66571
9,9 mm	0.3898			10,0	103,0	61,0	49,0	40,0	66572
25/64	0.3906	9.92	7/16-20	10,0	103,0	61,0	49,0	40,0	56458
10,0 mm	0.3937			10,0	103,0	61,0	49,0	40,0	66573
10,1 mm	0.3976			12,0	118,0	71,0	56,0	45,0	66574
10,2 mm	0.4016		M12 X 1,75	12,0	118,0	71,0	56,0	45,0	66575
10,3 mm	0.4055			12,0	118,0	71,0	56,0	45,0	66576
13/32	0.4062	10.32		12,0	118,0	71,0	56,0	45,0	56459
10,4 mm	0.4094			12,0	118,0	71,0	56,0	45,0	66577
10,5 mm	0.4134		M12 X 1,5	12,0	118,0	71,0	56,0	45,0	66578
10,6 mm	0.4173			12,0	118,0	71,0	56,0	45,0	66579
10,7 mm	0.4213			12,0	118,0	71,0	56,0	45,0	66580
27/64	0.4219	10.72	1/2-13	12,0	118,0	71,0	56,0	45,0	56460
10,8 mm	0.4252		M12 X 1,25	12,0	118,0	71,0	56,0	45,0	66581
10,9 mm	0.4291			12,0	118,0	71,0	56,0	45,0	66582
11,0 mm	0.4331		M12 X 1	12,0	118,0	71,0	56,0	45,0	66583
11,1 mm	0.4370			12,0	118,0	71,0	56,0	45,0	66584
7/16	0.4375	11.11	1/4-18NPT	12,0	118,0	71,0	56,0	45,0	56461
11,2 mm	0.4409			12,0	118,0	71,0	56,0	45,0	66585
11,3 mm	0.4449			12,0	118,0	71,0	56,0	45,0	66586
11,4 mm	0.4488			12,0	118,0	71,0	56,0	45,0	66587
11,5 mm	0.4528		M12 X 0,5	12,0	118,0	71,0	56,0	45,0	66588
11,6 mm	0..4567			12,0	118,0	71,0	56,0	45,0	66589
11,7 mm	0.4606			12,0	118,0	71,0	56,0	45,0	66590

Common
5xD
Reach
30°
Helix Angle
Internal Coolant
135°
Point Angle
2
Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

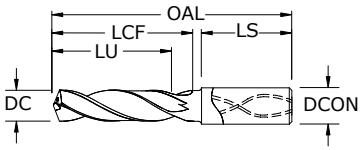
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6



Common

5xD
Reach

30°
Helix Angle

Internal Coolant

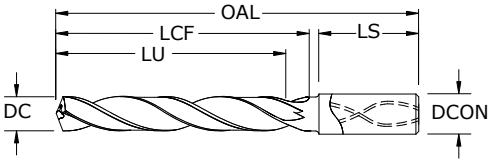
135°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
11,8 mm	0.4646			12,0	118,0	71,0	56,0	45,0	66591
11,9 mm	0.4685			12,0	118,0	71,0	56,0	45,0	66592
15/32	0.4688	11.91	1/2-28	12,0	118,0	71,0	56,0	45,0	56462
12,0 mm	0.4724		M14 X 2	12,0	118,0	71,0	56,0	45,0	66593
31/64	0.4844	12.30	9/16-12	14,0	124,0	77,0	60,0	45,0	56463
12,5 mm	0.4921		M14 X 1,5	14,0	124,0	77,0	60,0	45,0	66594
1/2	0.5000	12.70		14,0	124,0	77,0	60,0	45,0	56464
12,8 mm	0.5039		M14 X 1,25	14,0	124,0	77,0	60,0	45,0	66595
13,0 mm	0.5118		M14 X 1	14,0	124,0	77,0	60,0	45,0	66596
33/64	0.5156	13.10	9/16-18	14,0	124,0	77,0	60,0	45,0	56465
13,5 mm	0.5315		5/8-11	14,0	124,0	77,0	60,0	45,0	66597
13,8 mm	0.5433			14,0	124,0	77,0	60,0	45,0	66598
14,0 mm	0.5512		M16 X 2	14,0	124,0	77,0	60,0	45,0	66599
9/16	0.5625	14.29		16,0	133,0	83,0	63,0	48,0	56466
14,5 mm	0.5709		M16 X 1,5	16,0	133,0	83,0	63,0	48,0	66600
37/64	0.5781	14.68	5/8-18	16,0	133,0	83,0	63,0	48,0	56467
14,8 mm	0.5827			16,0	133,0	83,0	63,0	48,0	66601
15,0 mm	0.5906		M16 X 1	16,0	133,0	83,0	63,0	48,0	66602
15,5 mm	0.6102		M18 X 2,5	16,0	133,0	83,0	63,0	48,0	66603
15,8 mm	0.6220			16,0	133,0	83,0	63,0	48,0	66604
5/8	0.6250	15.88	11/16-16	16,0	133,0	83,0	63,0	48,0	56468
16,0 mm	0.6299			16,0	133,0	83,0	63,0	48,0	66605
21/32	0.6562	16.67	3/4-10	18,0	143,0	93,0	71,0	48,0	56469
11/16	0.6875	17.46	3/4-16	18,0	143,0	93,0	71,0	48,0	56470
3/4	0.7500	19.05	13/16-16	20,0	153,0	101,0	77,0	50,0	56471

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
3,0 mm	0.1181			6,0	72,0	34,0	29,0	36,0	66606
3,1 mm	0.1220			6,0	72,0	34,0	29,0	36,0	66607
1/8	0.1250	3.18		6,0	72,0	34,0	29,0	36,0	56472
3,2 mm	0.1260		M3,5 X 0,35	6,0	72,0	34,0	29,0	36,0	66608
3,3 mm	0.1299		M4 X 0,7	6,0	72,0	34,0	29,0	36,0	66609
3,4 mm	0.1339			6,0	72,0	34,0	29,0	36,0	66610
#29	0.1360	3.45	8-32,8-36	6,0	72,0	34,0	29,0	36,0	56473
3,5 mm	0.1378		M4 X 0,5	6,0	72,0	34,0	29,0	36,0	66611
9/64	0.1406	3.57		6,0	72,0	34,0	29,0	36,0	56474
3,6 mm	0.1417		M4 X 0,35	6,0	72,0	34,0	29,0	36,0	66612
3,7 mm	0.1457		M4,5 X 0,75	6,0	72,0	34,0	29,0	36,0	66613
3,8 mm	0.1496		10-24	6,0	81,0	43,0	36,0	36,0	66614
3,9 mm	0.1535			6,0	81,0	43,0	36,0	36,0	66615
5/32	0.1562	3.97		6,0	81,0	43,0	36,0	36,0	56475
4,0 mm	0.1575		M4,5 X 0,5	6,0	81,0	43,0	36,0	36,0	66616
#21	0.1590	4.04	10-32	6,0	81,0	43,0	36,0	36,0	56476
4,1 mm	0.1614			6,0	81,0	43,0	36,0	36,0	66617
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	81,0	43,0	36,0	36,0	66618
4,3 mm	0.1693			6,0	81,0	43,0	36,0	36,0	66619
11/64	0.1719	4.37		6,0	81,0	43,0	36,0	36,0	56477
4,4 mm	0.1732		12-24	6,0	81,0	43,0	36,0	36,0	66620
4,5 mm	0.1772		M5 X 0,5	6,0	81,0	43,0	36,0	36,0	66621
4,6 mm	0.1811		12-28	6,0	81,0	43,0	36,0	36,0	66622
4,7 mm	0.1850		12-32	6,0	81,0	43,0	48,0	36,0	66623
3/16	0.1875	4.76		6,0	95,0	57,0	48,0	36,0	56478
4,8 mm	0.1890		7/32-32	6,0	95,0	57,0	48,0	36,0	66624
4,9 mm	0.1929			6,0	95,0	57,0	48,0	36,0	66625
5,0 mm	0.1969		M6 X 1	6,0	95,0	57,0	48,0	36,0	66626
5,1 mm	0.2008		1/4-20	6,0	95,0	57,0	48,0	36,0	66627
13/64	0.2031	5.16		6,0	95,0	57,0	48,0	36,0	56479
5,2 mm	0.2047		M6 X 0,75	6,0	95,0	57,0	48,0	36,0	66628
5,3 mm	0.2087			6,0	95,0	57,0	48,0	36,0	66629
5,4 mm	0.2126			6,0	95,0	57,0	48,0	36,0	66630
5,5 mm	0.2165		M6 X 0,5	6,0	95,0	57,0	48,0	36,0	66631
7/32	0.2188	5.56	1/4-32	6,0	95,0	57,0	48,0	36,0	56480
5,6 mm	0.2205			6,0	95,0	57,0	48,0	36,0	66632
5,7 mm	0.2244			6,0	95,0	57,0	48,0	36,0	66633
5,8 mm	0.2283			6,0	95,0	57,0	48,0	36,0	66634

Common
8xD Reach
30° Helix Angle
Internal Coolant
135° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

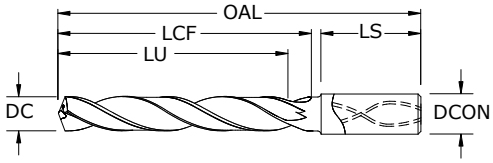
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6



Common

8xD
Reach

30°
Helix Angle

Internal Coolant

135°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
5,9 mm	0.2323			6,0	95,0	57,0	48,0	36,0	66635
15/64	0.2344	5.95		6,0	95,0	57,0	48,0	36,0	56481
6,0 mm	0.2362		M7 X 1	6,0	95,0	57,0	64,0	36,0	66636
6,1 mm	0.2402			8,0	114,0	76,0	64,0	36,0	66637
6,2 mm	0.2441		M7 X 0,75	8,0	114,0	76,0	64,0	36,0	66638
6,3 mm	0.2480			8,0	114,0	76,0	64,0	36,0	66639
1/4	0.2500	6.35		8,0	114,0	76,0	64,0	36,0	56482
6,4 mm	0.2520			8,0	114,0	76,0	64,0	36,0	66640
6,5 mm	0.2559			8,0	114,0	76,0	64,0	36,0	66641
F	0.2570	6.53	5/16-18	8,0	114,0	76,0	64,0	36,0	56483
6,6 mm	0.2598			8,0	114,0	76,0	64,0	36,0	66642
6,7 mm	0.2638			8,0	114,0	76,0	64,0	36,0	66643
17/64	0.5656	6.75	5/16-20	8,0	114,0	76,0	64,0	36,0	56484
6,8 mm	0.2677		M8 X 1,25	8,0	114,0	76,0	64,0	36,0	66644
6,9 mm	0.2717		5/16-24	8,0	114,0	76,0	64,0	36,0	66645
7,0 mm	0.2756		M8 X 1	8,0	114,0	76,0	64,0	36,0	66646
7,1 mm	0.2795			8,0	114,0	76,0	64,0	36,0	66647
9/32	0.2812	7.14	5/16-32	8,0	114,0	76,0	64,0	36,0	56485
7,2 mm	0.2835		M8 X 0,75	8,0	114,0	76,0	64,0	36,0	66648
7,3 mm	0.2874			8,0	114,0	76,0	64,0	36,0	66649
7,4 mm	0.2913			8,0	114,0	76,0	64,0	36,0	66650
7,5 mm	0.2953		M8 X 0,5	8,0	114,0	76,0	64,0	36,0	66651
19/64	0.2969	7.54		8,0	114,0	76,0	64,0	36,0	56486
7,6 mm	0.2992			8,0	114,0	76,0	64,0	36,0	66652
7,7 mm	0.3031			8,0	114,0	76,0	64,0	36,0	66653
7,8 mm	0.3071		M9 X 1,25	8,0	114,0	76,0	64,0	36,0	66654
7,9 mm	0.3110			8,0	114,0	76,0	64,0	36,0	66655
5/16	0.3125	7.94	3/8-16	8,0	114,0	76,0	64,0	36,0	56487
8,0 mm	0.3150		M9 X 1	8,0	114,0	76,0	64,0	36,0	66656
8,1 mm	0.3189			10,0	142,0	95,0	80,0	40,0	66657
8,2 mm	0.3228			10,0	142,0	95,0	80,0	40,0	66658
8,3 mm	0.3268			10,0	142,0	95,0	80,0	40,0	66659
21/64	0.3281	8.33	3/8-20	10,0	142,0	95,0	80,0	40,0	56488
8,4 mm	0.3307			10,0	142,0	95,0	80,0	40,0	66660
Q	0.3320	8.43	3/8-24	10,0	142,0	95,0	80,0	40,0	56489
8,5 mm	0.3346		M10 X 1,5	10,0	142,0	95,0	80,0	40,0	66661
8,6 mm	0.3386			10,0	142,0	95,0	80,0	40,0	66662
8,7 mm	0.3425			10,0	142,0	95,0	80,0	40,0	66663

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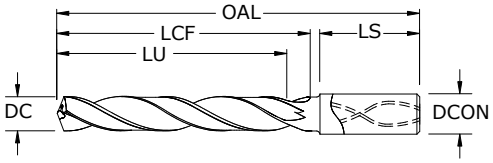
HI-PERCARB®

HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
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TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
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> 18 - 30	+0,008/+0,029	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
11/32	0.3438	8.73	3/8-32	10,0	142,0	95,0	80,0	40,0	56490
8,8 mm	0.3465		M10 X 1,25	10,0	142,0	95,0	80,0	40,0	66664
8,9 mm	0.3504			10,0	142,0	95,0	80,0	40,0	66665
9,0 mm	0.3543			10,0	142,0	95,0	80,0	40,0	66666
9,1 mm	0.3583			10,0	142,0	95,0	80,0	40,0	66667
23/64	0.3594	9.13		10,0	142,0	95,0	80,0	40,0	56491
9,2 mm	0.3622		M10 X 0,75	10,0	142,0	95,0	80,0	40,0	66668
9,3 mm	0.3661			10,0	142,0	95,0	80,0	40,0	66669
U	0.3680	9.35	7/16-14	10,0	142,0	95,0	80,0	40,0	56492
9,4 mm	0.3701			10,0	142,0	95,0	80,0	40,0	66670
9,5 mm	0.3740			10,0	142,0	95,0	80,0	40,0	66671
3/8	0.3750	9.53		10,0	142,0	95,0	80,0	40,0	56493
9,6 mm	0.3780			10,0	142,0	95,0	80,0	40,0	66672
9,7 mm	0.3819			10,0	142,0	95,0	80,0	40,0	66673
9,8 mm	0.3858			10,0	142,0	95,0	80,0	40,0	66674
9,9 mm	0.3898			10,0	142,0	95,0	80,0	40,0	66675
25/64	0.3906	9.92	7/16-20	10,0	142,0	95,0	80,0	40,0	56494
10,0 mm	0.3937			10,0	142,0	95,0	80,0	40,0	66676
10,1 mm	0.3976			12,0	162,0	114,0	96,0	45,0	66677
10,2 mm	0.4016		M12 X 1,75	12,0	162,0	114,0	96,0	45,0	66678
10,3 mm	0.4055			12,0	162,0	114,0	96,0	45,0	66679
13/32	0.4062	10.32		12,0	162,0	114,0	96,0	45,0	56495
10,4 mm	0.4094			12,0	162,0	114,0	96,0	45,0	66680
10,5 mm	0.4134		M12 X 1,5	12,0	162,0	114,0	96,0	45,0	66681
10,6 mm	0.4173			12,0	162,0	114,0	96,0	45,0	66682
10,7 mm	0.4213			12,0	162,0	114,0	96,0	45,0	66683
27/64	0.4219	10.72	1/2-13	12,0	162,0	114,0	96,0	45,0	56496
10,8 mm	0.4252		M12 X 1,25	12,0	162,0	114,0	96,0	45,0	66684
10,9 mm	0.4291			12,0	162,0	114,0	96,0	45,0	66685
11,0 mm	0.4331		M12 X 1	12,0	162,0	114,0	96,0	45,0	66686
11,1 mm	0.4370			12,0	162,0	114,0	96,0	45,0	66687
7/16	0.4375	11.11	1/4-18NPT	12,0	162,0	114,0	96,0	45,0	56497
11,2 mm	0.4409			12,0	162,0	114,0	96,0	45,0	66688
11,3 mm	0.4449			12,0	162,0	114,0	96,0	45,0	66689
11,4 mm	0.4488			12,0	162,0	114,0	96,0	45,0	66690
11,5 mm	0.4528		M12 X 0,5	12,0	162,0	114,0	96,0	45,0	66691
11,6 mm	0..4567			12,0	162,0	114,0	96,0	45,0	66692
11,7 mm	0.4606			12,0	162,0	114,0	96,0	45,0	66693

Common

8xD
Reach

30°
Helix Angle

Internal Coolant

135°
Point Angle

2
Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

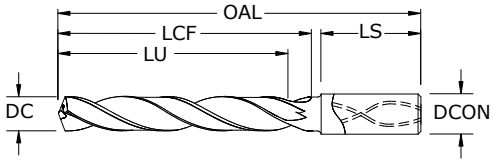
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

TOLERANCES (inch)

DIAMETER	DC	DCON
≤.1181	+.00008/+.00047	h6
>.1181–.2362	+.00016/+.00063	h6
>.2362–.3937	+.00024/+.00083	h6
>.3937–.7087	+.00028/+.00098	h6
>.7087–1.1811	+.00031/+.00114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002/+0,012	h6
> 3 - 6	+0,004/+0,016	h6
> 6 - 10	+0,006/+0,021	h6
> 10 - 18	+0,007/+0,025	h6
> 18 - 30	+0,008/+0,029	h6



Common

8xD
Reach

30°
Helix Angle

Internal Coolant

135°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-X EDP No.
11,8 mm	0.4646			12,0	162,0	114,0	96,0	45,0	66694
11,9 mm	0.4685			12,0	162,0	114,0	96,0	45,0	66695
15/32	0.4688	11.91	1/2-28	12,0	162,0	114,0	96,0	45,0	56498
12,0 mm	0.4724		M14 X 2	12,0	162,0	114,0	96,0	45,0	66696
31/64	0.4844	12.30	9/16-12	14,0	178,0	133,0	112,0	45,0	56499
12,5 mm	0.4921		M14 X 1,5	14,0	178,0	133,0	112,0	45,0	66697
1/2	0.5000	12.70		14,0	178,0	133,0	112,0	45,0	56500
12,8 mm	0.5039		M14 X 1,25	14,0	178,0	133,0	112,0	45,0	66698
13,0 mm	0.5118		M14 X 1	14,0	178,0	133,0	112,0	45,0	66699
33/64	0.5156	13.10	9/16-18	14,0	178,0	133,0	112,0	45,0	56501
13,5 mm	0.5315		5/8-11	14,0	178,0	133,0	112,0	45,0	66700
13,8 mm	0.5433			14,0	178,0	133,0	112,0	45,0	66701
14,0 mm	0.5512		M16 X 2	14,0	178,0	133,0	112,0	45,0	66702
9/16	0.5625	14.29		16,0	203,0	152,0	128,0	48,0	56502
14,5 mm	0.5709		M16 X 1,5	16,0	203,0	152,0	128,0	48,0	66703
37/64	0.5781	14.68	5/8-18	16,0	203,0	152,0	128,0	48,0	56503
14,8 mm	0.5827			16,0	203,0	152,0	128,0	48,0	66704
15,0 mm	0.5906		M16 X 1	16,0	203,0	152,0	128,0	48,0	66705
15,5 mm	0.6102		M18 X 2,5	16,0	203,0	152,0	128,0	48,0	66706
15,8 mm	0.6220			16,0	203,0	152,0	128,0	48,0	66707
5/8	0.6250	15.88	11/16-16	16,0	203,0	152,0	128,0	48,0	56504
16,0 mm	0.6299			16,0	203,0	152,0	128,0	48,0	66708
21/32	0.6562	16.67	3/4-10	18,0	222,0	171,0	144,0	48,0	56505
11/16	0.6875	17.46	3/4-16	18,0	222,0	171,0	144,0	48,0	56506
3/4	0.7500	19.05	13/16-16	20,0	243,0	190,0	160,0	50,0	56507

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

HI-PERCARB®

HIGH PERFORMANCE CARBIDE DRILLS

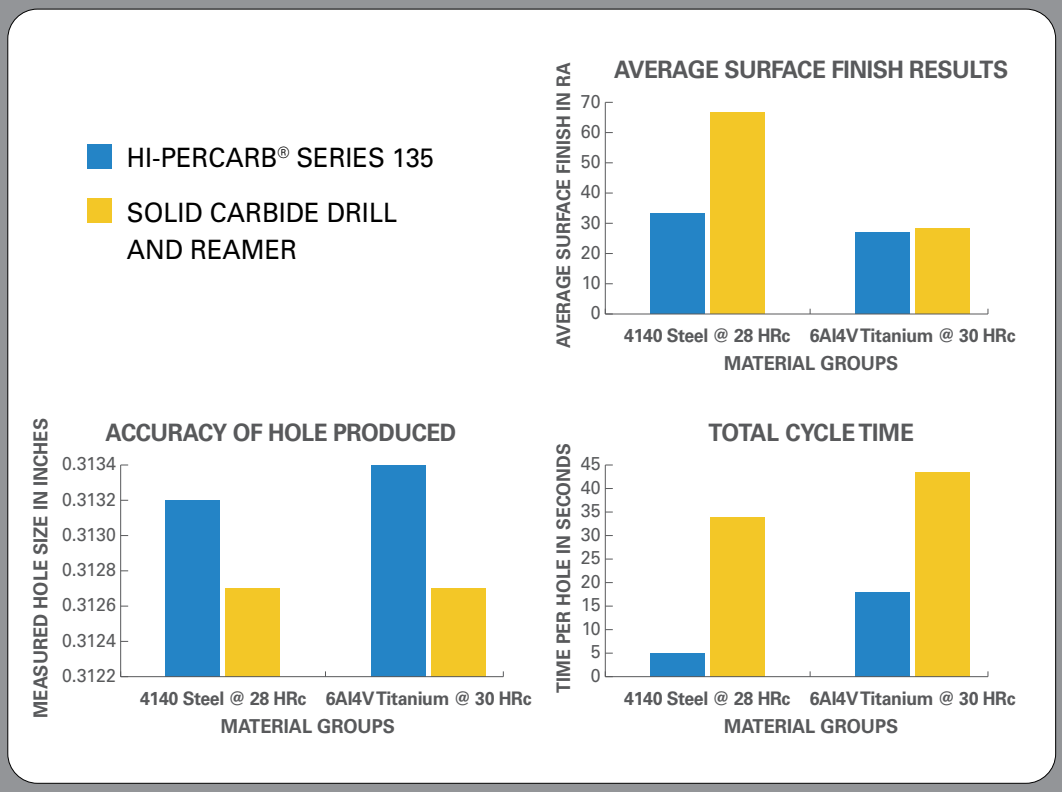
Muzzle Brake

Adjustable Gas Block

HIPERCARB® SERIES 135

The key features designed into the HI-PERCARB® Series 135 Drill allow the product to offer application benefits not only beyond that of standard carbide drills, but also other high-performance drills.

- Double margin design burnishing effect improves accuracy and surface finish while increasing tool stability and rigidity
- Cuts cycle time by limiting the need for reaming in high production applications which provides a lower total machining cost
- High performance flute design improves efficiency of chip evacuation allowing for increased strength in aggressive drilling
- Engineered edge protection improves edge strength and reduces edge fatigue allowing for increased feed rates
- Secondary flute improves coolant flow to point
- Ti-NAMITE®-A coating (TA) enhances surface finish and lowers tool load and wear resulting in increased tool life

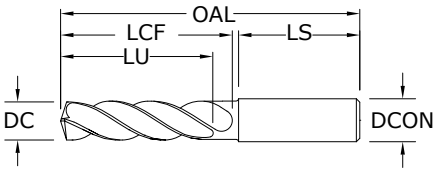


TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

3xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
1/64	0.0156	0.40		1/8	1-1/2	1/8	5/64	1	51752*
1/32	0.0312	0.79		1/8	1-1/2	1/4	3/16	1	51269*
3/64	0.0469	1.19	1/16-64	1/8	1-1/2	3/8	5/16	1	51270*
1,25 mm	0.0492			3,0	38,0	9,5	8,0	25,0	64500*
1,45 mm	0.0571			3,0	38,0	9,5	8,0	25,0	64501*
#53	0.0595	1.51		1/8	1-1/2	3/8	5/16	1	64502*
1/16	0.0625	1.59	5/64-60	1/8	2	7/16	3/8	1-1/4	51271*
1,6 mm	0.0630			3,0	50,0	11,0	9,0	32,0	64503*
1,75 mm	0.0689			3,0	50,0	11,0	9,0	32,0	64504*
#50	0.0700	1.78		1/8	2	7/16	3/8	1-1/4	64505*
5/64	0.0781	1.98		1/8	2	1/2	7/16	1-1/4	51272*
#47	0.0785	1.99		1/8	2	1/2	7/16	1-1/4	64506*
2,05 mm	0.0807			3,0	50,0	12,0	11,0	32,0	64507*
#46	0.0810	2.06		1/8	2	1/2	7/16	1-1/4	64508*
#43	0.0890	2.26		1/8	2	1/2	7/16	1-1/4	64509*
#42	0.0935	2.37		1/8	2	1/2	7/16	1-1/4	64510*
3/32	0.0938	2.38	1/8-32	1/8	2	1/2	7/16	1-1/4	51273
#40	0.0980	2.49		1/8	2	9/16	1/2	1-1/4	51274
2,5 mm	0.0984			3,0	50,0	14,0	12,0	32,0	64511
#39	0.0995	2.53		1/8	2	9/16	1/2	1-1/4	51753
#38	0.1015	2.58	5-40	1/8	2	9/16	1/2	1-1/4	51754
#37	0.1040	2.64	5-44	1/8	2	9/16	1/2	1-1/4	51755
#36	0.1065	2.71	6-32	1/8	2	9/16	1/2	1-1/4	51756
7/64	0.1094	2.78		1/8	2	5/8	9/16	1-1/4	51275
#35	0.1100	2.79		1/8	2	5/8	9/16	1-1/4	51276
#34	0.1110	2.82		1/8	2	5/8	9/16	1-1/4	51277
#33	0.1130	2.87	6-40	1/8	2	5/8	9/16	1-1/4	51757
2,9 mm	0.1142			3,0	50,0	16,0	14,0	32,0	64512
#32	0.1160	2.95		1/8	2	5/8	9/16	1-1/4	51758
3,0 mm	0.1181			6,0	62,0	20,0	17,0	36,0	63155
#31	0.1200	3.05		1/8	2	5/8	9/16	1-1/4	51759
3,1 mm	0.1220			6,0	62,0	20,0	17,0	36,0	63741
1/8	0.1250	3.18		1/4	2-1/2	3/4	21/32	1-7/16	51330
3,2 mm	0.1260		M3,5 X 0,35	6,0	62,0	20,0	17,0	36,0	63156
#30	0.1285	3.26		1/4	2-1/2	3/4	21/32	1-7/16	51278
3,3 mm	0.1299		M4 X 0,7	6,0	62,0	20,0	17,0	36,0	63157

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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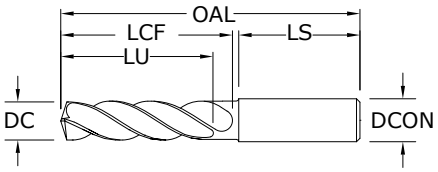
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

			inch & mm						EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
3,4 mm	0.1339			6,0	62,0	20,0	17,0	36,0	63158
#29	0.1360	3.45	8-32,8-36	1/4	2-1/2	3/4	21/32	1-7/16	51331
3,5 mm	0.1378		M4 X 0,5	6,0	62,0	20,0	17,0	36,0	63159
#28	0.1405	3.57	8-40	1/4	2-1/2	3/4	21/32	1-7/16	51760
9/64	0.1406	3.57		1/4	2-1/2	3/4	21/32	1-7/16	51332
3,6 mm	0.1417		M4 X 0,35	6,0	62,0	20,0	17,0	36,0	63160
#27	0.1440	3.66		1/4	2-1/2	3/4	21/32	1-7/16	51761
3,7 mm	0.1457		M4,5 X 0,75	6,0	62,0	20,0	17,0	36,0	63161
#26	0.1470	3.73	3/16-24	1/4	2-1/2	3/4	21/32	1-7/16	51762
#25	0.1495	3.80	10-24	1/4	2-5/8	7/8	23/32	1-7/16	51333
3,8 mm	0.1496			6,0	66,0	24,0	21,0	36,0	63742
#24	0.1520	3.86	10-28	1/4	2-5/8	7/8	23/32	1-7/16	51763
3,9 mm	0.1535			6,0	66,0	24,0	21,0	36,0	63743
#23	0.1540	3.91		1/4	2-5/8	7/8	23/32	1-7/16	51764
5/32	0.1562	3.97		1/4	2-5/8	7/8	23/32	1-7/16	51334
#22	0.1570	3.99	10-30	1/4	2-5/8	7/8	23/32	1-7/16	51765
4,0 mm	0.1575		M4,5 X 0,5	6,0	66,0	24,0	21,0	36,0	63162
#21	0.1590	4.04	10-32	1/4	2-5/8	7/8	23/32	1-7/16	51335
#20	0.1610	4.09	13/64-24	1/4	2-5/8	7/8	23/32	1-7/16	51279
4,1 mm	0.1614			6,0	66,0	24,0	21,0	36,0	63744
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	66,0	24,0	21,0	36,0	63163
#19	0.1660	4.22		1/4	2-5/8	7/8	23/32	1-7/16	51766
4,3 mm	0.1693			6,0	66,0	24,0	21,0	36,0	63164
#18	0.1695	4.31		1/4	2-5/8	7/8	23/32	1-7/16	51767
11/64	0.1719	4.37		1/4	2-5/8	7/8	23/32	1-7/16	51336
#17	0.1730	4.39		1/4	2-5/8	7/8	23/32	1-7/16	51768
4,4 mm	0.1732			6,0	66,0	24,0	21,0	36,0	63745
#16	0.1770	4.50	12-24	1/4	2-5/8	7/8	23/32	1-7/16	51769
4,5 mm	0.1772		M5 X 0,5	6,0	66,0	24,0	21,0	36,0	63165
#15	0.1800	4.57		1/4	2-5/8	7/8	23/32	1-7/16	51770
4,6 mm	0.1811		12-28	6,0	66,0	24,0	21,0	36,0	63166
#14	0.1820	4.62		1/4	2-5/8	7/8	23/32	1-7/16	51771
#13	0.1850	4.70	12-32	1/4	2-5/8	7/8	23/32	1-7/16	51772
4,7 mm	0.1850			6,0	66,0	24,0	21,0	36,0	63746

Common

3xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

*Single Margin
Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

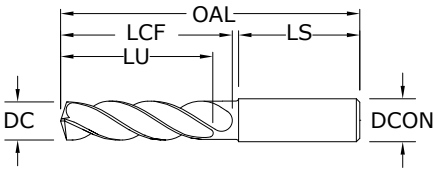
(continued on next page)

TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

3xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
3/16	0.1875	4.76		1/4	2-5/8	1	53/64	1-7/16	51337
#12	0.1890	4.80	7/32-32	1/4	2-5/8	1	53/64	1-7/16	51773
4,8 mm	0.1890			6,0	66,0	28,0	24,0	36,0	63167
#11	0.1910	4.85		1/4	2-5/8	1	53/64	1-7/16	51774
4,9 mm	0.1929			6,0	66,0	28,0	24,0	36,0	63747
#10	0.1935	4.91	14-20	1/4	2-5/8	1	53/64	1-7/16	51775
#9	0.1960	4.98		1/4	2-5/8	1	53/64	1-7/16	51776
5,0 mm	0.1969		M6 X 1	6,0	66,0	28,0	24,0	36,0	63168
#8	0.1990	5.05		1/4	2-5/8	1	53/64	1-7/16	51777
5,1 mm	0.2008			6,0	66,0	28,0	24,0	36,0	63748
#7	0.2010	5.11	1/4-20	1/4	2-5/8	1	53/64	1-7/16	51338
13/64	0.2031	5.16		1/4	2-5/8	1	53/64	1-7/16	51339
#6	0.2040	5.18		1/4	2-5/8	1	53/64	1-7/16	51778
5,2 mm	0.2047		M6 X 0,75	6,0	66,0	28,0	24,0	36,0	63749
#5	0.2055	5.22		1/4	2-5/8	1	53/64	1-7/16	51779
5,25 mm	0.2067			6,0	66,0	28,0	24,0	36,0	63169
5,3 mm	0.2087			6,0	66,0	28,0	24,0	36,0	63170
#4	0.2090	5.31	1/4-24	1/4	2-5/8	1	53/64	1-7/16	51780
5,4 mm	0.2126			6,0	66,0	28,0	24,0	36,0	63750
#3	0.2130	5.41	1/4-28	1/4	2-5/8	1	53/64	1-7/16	51340
5,5 mm	0.2165		M6 X 0,5	6,0	66,0	28,0	24,0	36,0	63171
7/32	0.2188	5.56	1/4-32	1/4	2-5/8	1	53/64	1-7/16	51341
5,6 mm	0.2205			6,0	66,0	28,0	24,0	36,0	63751
#2	0.2210	5.61		1/4	2-5/8	1	53/64	1-7/16	51781
5,7 mm	0.2244			6,0	66,0	28,0	24,0	36,0	63752
#1	0.2280	5.79		1/4	2-5/8	1	53/64	1-7/16	51782
5,8 mm	0.2283			6,0	66,0	28,0	24,0	36,0	63172
5,9 mm	0.2323			6,0	66,0	28,0	24,0	36,0	63753
A	0.2340	5.94		1/4	2-5/8	1	53/64	1-7/16	51601
15/64	0.2344	5.95		1/4	2-5/8	1	53/64	1-7/16	51342
6,0 mm	0.2362	6.00	M7 X 1	6,0	66,0	28,0	24,0	36,0	63173
B	0.2380	6.05		1/4	3-1/8	1-5/16	1-3/64	1-7/16	51602
6,1 mm	0.2402			8,0	79,0	34,0	28,0	36,0	63754
C	0.2420	6.15		1/4	3-1/8	1-5/16	1-3/64	1-7/16	51603
6,2 mm	0.2441			8,0	79,0	34,0	28,0	36,0	63755
D	0.2460	6.25		1/4	3-1/8	1-5/16	1-3/64	1-7/16	51604

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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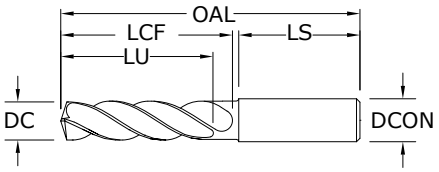
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
6,25 mm	0.2461		M7 X 0,75	8,0	79,0	34,0	28,0	36,0	63174
6,3 mm	0.2480			8,0	79,0	34,0	28,0	36,0	63756
1/4	0.2500	6.35		1/4	3-1/8	1-5/16	1-3/64	1-7/16	51343
E	0.2500	6.35		1/4	3-1/8	1-5/16	1-3/64	1-7/16	51605
6,4 mm	0.2520			8,0	79,0	34,0	28,0	36,0	63175
6,5 mm	0.2559			8,0	79,0	34,0	28,0	36,0	63213
F	0.2570	6.53	5/16-18	5/16	3-1/8	1-5/16	1-3/64	1-7/16	51344
6,6 mm	0.2598			8,0	79,0	34,0	28,0	36,0	63757
G	0.2610	6.63		5/16	3-1/8	1-5/16	1-3/64	1-7/16	51606
6,7 mm	0.2638			8,0	79,0	34,0	28,0	36,0	63758
17/64	0.2656	6.75	5/16-20	5/16	3-1/8	1-5/16	1-3/64	1-7/16	51345
H	0.2660	6.76		5/16	3-1/8	1-5/16	1-3/64	1-7/16	51607
6,8 mm	0.2677		M8 X 1,25	8,0	79,0	34,0	28,0	36,0	63176
6,9 mm	0.2717			8,0	79,0	34,0	28,0	36,0	63759
I	0.2720	6.91	5/16-24	5/16	3-1/8	1-5/16	1-3/64	1-7/16	51346
7,0 mm	0.2756		M8 X 1	8,0	79,0	34,0	28,0	36,0	63177
J	0.2770	7.04		5/16	3-1/8	1-5/16	1-3/64	1-7/16	51608
7,1 mm	0.2795			8,0	79,0	41,0	34,0	36,0	63760
K	0.2810	7.14		5/16	3-1/8	1-9/16	1-3/16	1-7/16	51609
9/32	0.2812	7.14	5/16-32	5/16	3-1/8	1-9/16	1-3/16	1-7/16	51347
7,2 mm	0.2835			8,0	79,0	41,0	34,0	36,0	63761
7,25 mm	0.2854		M8 X 0,75	8,0	79,0	41,0	34,0	36,0	63178
7,3 mm	0.2874			8,0	79,0	41,0	34,0	36,0	63762
L	0.2900	7.37		5/16	3-1/8	1-9/16	1-3/16	1-7/16	51610
7,4 mm	0.2913			8,0	79,0	41,0	34,0	36,0	63763
M	0.2950	7.49		5/16	3-1/8	1-9/16	1-3/16	1-7/16	51611
7,5 mm	0.2953		M8 X 0,5	8,0	79,0	41,0	34,0	36,0	63179
19/64	0.2969	7.54		5/16	3-1/8	1-9/16	1-3/16	1-7/16	51348
7,6 mm	0.2992			8,0	79,0	41,0	34,0	36,0	63764
N	0.3020	7.67		5/16	3-1/8	1-9/16	1-3/16	1-7/16	51612
7,7 mm	0.3031			8,0	79,0	41,0	34,0	36,0	63765
7,8 mm	0.3071		M9 X 1,25	8,0	79,0	41,0	34,0	36,0	63180
7,9 mm	0.3110			8,0	79,0	41,0	34,0	36,0	63766
5/16	0.3125	7.94	3/8-16	5/16	3-1/8	1-9/16	1-3/16	1-7/16	51349
8,0 mm	0.3150		M9 x 1	8,0	79,0	41,0	34,0	36,0	63181
O	0.3160	8.03		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51613

Common
3xD Reach
32° Right Spiral
External Coolant
145° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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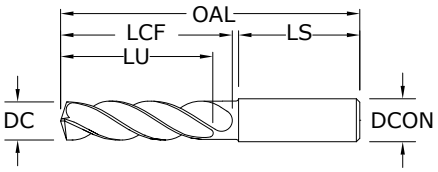
TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

3xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
8,1 mm	0.3189			10,0	89,0	47,0	40,0	40,0	63767
8,2 mm	0.3228			10,0	89,0	47,0	40,0	40,0	63768
P	0.3230	8.20		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51614
8,3 mm	0.3268			10,0	89,0	47,0	40,0	40,0	63769
21/64	0.3281	8.33	3/8-20	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51350
8,4 mm	0.3307			10,0	89,0	47,0	40,0	40,0	63182
Q	0.3320	8.43	3/8-24	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51351
8,5 mm	0.3346		M10 X 1,5	10,0	89,0	47,0	40,0	40,0	63183
8,6 mm	0.3386			10,0	89,0	47,0	40,0	40,0	63770
R	0.3390	8.61		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51615
8,7 mm	0.3425			10,0	89,0	47,0	40,0	40,0	63771
11/32	0.3438	8.73	3/8-32	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51352
8,8 mm	0.3465		M10 X 1,25	10,0	89,0	47,0	40,0	40,0	63184
S	0.3480	8.84		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51616
8,9 mm	0.3504			10,0	89,0	47,0	40,0	40,0	63772
9,0 mm	0.3543		M10 X 1	10,0	89,0	47,0	40,0	40,0	63185
T	0.3580	9.09		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51617
9,1 mm	0.3583			10,0	89,0	47,0	40,0	40,0	63773
23/64	0.3594	9.13		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51353
9,2 mm	0.3622		M10 X 0,75	10,0	89,0	47,0	40,0	40,0	63774
9,25 mm	0.3642	9.25		10,0	89,0	47,0	40,0	40,0	63186
9,3 mm	0.3661			10,0	89,0	47,0	40,0	40,0	63775
U	0.3680	9.35	7/16-14	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51354
9,4 mm	0.3701			10,0	89,0	47,0	40,0	40,0	63776
9,5 mm	0.3740		M10 X 0,5	10,0	89,0	47,0	40,0	40,0	63187
3/8	0.3750	9.53		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51355
V	0.3770	9.58		1/2	3-1/2	1-27/32	1-37/64	1-9/16	51618
9,6 mm	0.3780			10,0	89,0	47,0	40,0	40,0	63777
9,7 mm	0.3819			10,0	89,0	47,0	40,0	40,0	63778
9,8 mm	0.3858			10,0	89,0	47,0	40,0	40,0	63779
W	0.3860			1/2	3-1/2	1-27/32	1-37/64	1-9/16	51619
9,9 mm	0.3898			10,0	89,0	47,0	40,0	40,0	63780
25/64	0.3906	9.92	7/16-20	1/2	3-1/2	1-27/32	1-37/64	1-9/16	51356
10,0 mm	0.3937			10,0	89,0	47,0	40,0	40,0	63188
X	0.3970	10.08	7/16-24	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51620
10,1 mm	0.3976			12,0	102,0	55,0	45,0	45,0	63781

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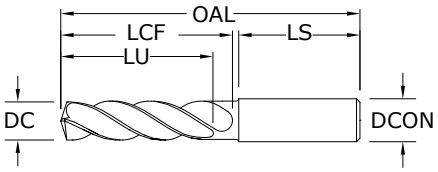
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

			inch & mm						EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
10,2 mm	0.4016		M12 X 1,75	12,0	102,0	55,0	45,0	45,0	63189
Y	0.4040	10.26	7/16-28	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51621
10,3 mm	0.4055			12,0	102,0	55,0	45,0	45,0	63782
13/32	0.4062	10.32		1/2	4-1/16	2-3/16	1-51/64	1-49/64	51357
10,4 mm	0.4094			12,0	102,0	55,0	45,0	45,0	63783
Z	0.4130	10.49		1/2	4-1/16	2-3/16	1-51/64	1-49/64	51622
10,5 mm	0.4134		M12 X 1,5	12,0	102,0	55,0	45,0	45,0	63190
10,6 mm	0.4173			12,0	102,0	55,0	45,0	45,0	63784
10,7 mm	0.4213			12,0	102,0	55,0	45,0	45,0	63785
27/64	0.4219	10.72	1/2-13	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51358
10,8 mm	0.4252		M12 X 1,25	12,0	102,0	55,0	45,0	45,0	63191
10,9 mm	0.4291			12,0	102,0	55,0	45,0	45,0	63786
11,0 mm	0.4331		M12 X 1	12,0	102,0	55,0	45,0	45,0	63192
11,1 mm	0.4370			12,0	102,0	55,0	45,0	45,0	63787
7/16	0.4375	11.11	1/4-18 NPT	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51359
11,2 mm	0.4409			12,0	102,0	55,0	45,0	45,0	63788
11,25 mm	0.4429			12,0	102,0	55,0	45,0	45,0	63193
11,3 mm	0.4449			12,0	102,0	55,0	45,0	45,0	63789
11,4 mm	0.4488			12,0	102,0	55,0	45,0	45,0	63790
11,5 mm	0.4528		M12 X 0,5	12,0	102,0	55,0	45,0	45,0	63194
29/64	0.4531	11.51	1/2-20	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51360
11,6 mm	0.4567			12,0	102,0	55,0	45,0	45,0	63791
11,7 mm	0.4606			12,0	102,0	55,0	45,0	45,0	63792
11,8 mm	0.4646			12,0	102,0	55,0	45,0	45,0	63793
11,9 mm	0.4685			12,0	102,0	55,0	45,0	45,0	63794
15/32	0.4688	11.91	1/2-28	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51361
12,0 mm	0.4724		M14 X 2	12,0	102,0	55,0	45,0	45,0	63195
31/64	0.4844	12.30	9/16-12	1/2	4-1/4	2-5/16	1-7/8	1-49/64	51362
12,5 mm	0.4921		M14 X 1,5	14,0	107,0	60,0	49,0	45,0	63196
1/2	0.5000	12.70		1/2	4-1/4	2-5/16	1-7/8	1-49/64	51363
12,8 mm	0.5039		M14 X 1,25	14,0	107,0	60,0	49,0	45,0	63197
13,0 mm	0.5118		M14 X 1	14,0	107,0	60,0	49,0	45,0	63198
33/64	0.5156	13.10	9/16-18	5/8	4-1/4	2-5/16	1-7/8	1-49/64	51364
17/32	0.5312	13.49	5/8-11	5/8	4-1/4	2-5/16	1-7/8	1-49/64	51365
13,5 mm	0.5315			14,0	107,0	60,0	49,0	45,0	63199
35/64	0.5469	13.89	5/8-12	5/8	4-1/4	2-5/16	1-7/8	1-49/64	51783

Common
3xD Reach
32° Right Spiral
External Coolant
145° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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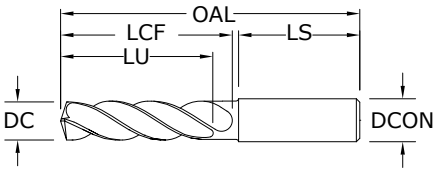
TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

3xD
Reach

32°
Right Spiral

External Coolant

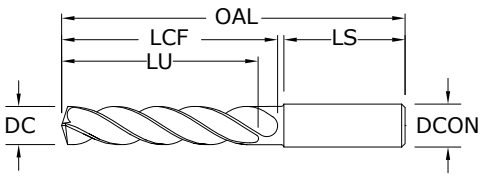
145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
14,0 mm	0.5512		M16 X 2	14,0	107,0	60,0	49,0	45,0	63200
9/16	0.5625	14.29		5/8	4-9/16	2-1/2	2	1-57/64	51366
14,5 mm	0.5709		M16 X 1,5	16,0	115,0	65,0	51,0	48,0	63201
37/64	0.5781	14.68	5/8-18	5/8	4-9/16	2-1/2	2	1-57/64	51367
15,0 mm	0.5906		M16 X 1	16,0	115,0	65,0	51,0	48,0	63202
19/32	0.5938	15.08	11/16-11	5/8	4-9/16	2-1/2	2	1-57/64	51784
39/64	0.6094	15.48	11/16-12	5/8	4-9/16	2-1/2	2	1-57/64	51785
15,5 mm	0.6102		M18 X 2,5	16,0	115,0	65,0	51,0	48,0	63203
5/8	0.6250	15.88	11/16-16	5/8	4-9/16	2-1/2	2	1-57/64	51368
16,0 mm	0.6299			16,0	115,0	65,0	51,0	48,0	63204
41/64	0.6406	16.27	11/16-24	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51786
16,5 mm	0.6496		M18 X 1,5	18,0	123,0	73,0	58,0	48,0	63205
21/32	0.6562	16.67	3/4-10	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51369
17,0 mm	0.6693			18,0	123,0	73,0	58,0	48,0	63206
43/64	0.6719	17.07	3/4-12	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51787
11/16	0.6875	17.46	3/4-16	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51370
17,5 mm	0.6890		M20 X 2,5	18,0	123,0	73,0	58,0	48,0	63207
45/64	0.7031	17.86	3/4-20, 1/2-14 NPT	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51788
18,0 mm	0.7087			18,0	123,0	73,0	58,0	48,0	63208
23/32	0.7188	18.26		3/4	4-7/8	2-3/4	2-5/16	1-57/64	51789
18,5 mm	0.7283		M20 X 1,5	20,0	131,0	79,0	63,0	50,0	63209
47/64	0.7344	18.65	13/16-12	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51790
19,0 mm	0.7480			20,0	131,0	79,0	63,0	50,0	63210
3/4	0.7500	19.05	13/16-16	3/4	5-1/4	3-1/16	2-7/16	1-31/32	51371
49/64	0.7656	19.45	7/8-9	7/8	5-1/4	3-1/16	2-7/16	1-31/32	51372
19,5 mm	0.7677		M22 X 2,5	20,0	131,0	79,0	63,0	50,0	63211
25/32	0.7812	19.84		7/8	6	3-11/16	2-11/16	2-1/8	51791
20,0 mm	0.7874			20,0	131,0	79,0	63,0	50,0	63212
51/64	0.7969	20.24	7/8-12	7/8	6	3-11/16	2-11/16	2-1/8	51792
20,5 mm	0.8071			22,0	150,0	93,0	73,0	53,0	64513
13/16	0.8125	20.64	7/8-14	7/8	6	3-11/16	2-11/16	2-1/8	51373
21,0 mm	0.8268			22,0	150,0	93,0	73,0	53,0	64514
22,0 mm	0.8661			22,0	150,0	93,0	73,0	53,0	64515
7/8	0.8750	22.23	15/16-16, 1-8	7/8	6	3-11/16	2-11/16	2-1/8	51374
59/64	0.9219	23.42	1-12	1	6	3-11/16	2-11/16	2-1/8	51375

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
1/64	0.0156	0.40		1/8	1 1/2	5/32	7/64	1	52300*
1/32	0.0312	0.79		1/8	1 1/2	5/16	7/32	1	52301*
3/64	0.0469	1.19	1/16-64	1/8	1 1/2	25/64	19/64	1	52302*
1,25 mm	0.0492			3,0	38,0	10,0	7,5	25,0	64520*
1,45 mm	0.0571			3,0	38,0	10,0	7,5	25,0	64521*
#53	0.0595	1.51		1/8	1-1/2	25/64	19/64	1	64522*
1/16	0.0625	1.59	5/64-60	1/8	2	15/32	23/64	1-1/4	52303*
1,6 mm	0.0630			3,0	50,0	12,0	9,0	32,0	64523*
1,75 mm	0.0689			3,0	50,0	12,0	9,0	32,0	64524*
#50	0.0700	1.78		1/8	2	15/32	23/64	1-1/4	64525*
5/64	0.0781	1.98		1/8	2	35/64	27/64	1-1/4	52304*
#47	0.0785	1.99		1/8	2	35/64	27/64	1-1/4	64526*
2,05 mm	0.0807			3,0	50,0	14,0	11,0	32,0	64527*
#46	0.0810	2.06		1/8	2	35/64	27/64	1-1/4	64528*
#43	0.0890	2.26		1/8	2	19/32	15/32	1-1/4	64529*
#42	0.0935	2.37		1/8	2	5/8	1/2	1-1/4	64530*
3/32	0.0938	2.38	1/8-32	1/8	2	5/8	1/2	1-1/4	52305
#40	0.0980	2.49		1/8	2	43/64	17/32	1-1/4	52306
2,5 mm	0.0984			3,0	50,0	17,0	13,0	32,0	64531
#39	0.0995	2.53		1/8	2	43/64	17/32	1-1/4	52307
#38	0.1015	2.58	5-40	1/8	2	43/64	17/32	1-1/4	52308
#37	0.1040	2.64	5-44	1/8	2	45/64	9/16	1-1/4	52309
#36	0.1065	2.71	6-32	1/8	2	45/64	9/16	1-1/4	52310
7/64	0.1094	2.78		1/8	2	3/4	19/32	1-1/4	52311
#35	0.1100	2.79		1/8	2	3/4	19/32	1-1/4	52312
#34	0.1110	2.82		1/8	2	3/4	19/32	1-1/4	52313
#33	0.1130	2.87	6-40	1/8	2	3/4	19/32	1-1/4	52314
2,9 mm	0.1142			3,0	50,0	19,0	15,0	32,0	64532
#32	0.1160	2.95		1/8	2	3/4	39/64	1-1/4	52315
3,0 mm	0.1181			6,0	66,0	28,0	23,0	36,0	64100
#31	0.1200	3.05		1/8	2	3/4	39/64	1-1/4	52316
3,1 mm	0.1220			6,0	66,0	28,0	23,0	36,0	64101
1/8	0.1250	3.18		1/4	3	1	53/64	1-7/16	51580
3,2 mm	0.1260		M3,5 X 0,35	6,0	66,0	28,0	23,0	36,0	64102
#30	0.1285	3.26		1/4	3	1	53/64	1-7/16	51581
3,3 mm	0.1299		M4 X 0,7	6,0	66,0	28,0	23,0	36,0	64103

Common
5xD Reach
32° Right Spiral
External Coolant
145° Point Angle
2 Flutes

*Single Margin
Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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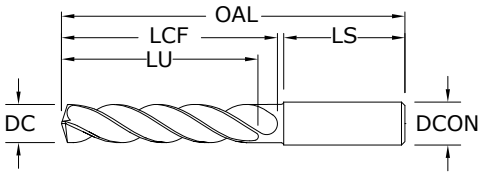
TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

5xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
3,4 mm	0.1339		8-32,8-36	6,0	66,0	28,0	23,0	36,0	64104
#29	0.1360	3.45		1/4	3	1	53/64	1-7/16	51582
3,5 mm	0.1378			6,0	66,0	28,0	23,0	36,0	64105
#28	0.1405	3.57	8-40	1/4	3	1	53/64	1- 7/16	52317
9/64	0.1406	3.57		1/4	3	1	53/64	1-7/16	51583
3,6 mm	0.1417		M4 X 0,35	6,0	66,0	28,0	23,0	36,0	64106
#27	0.1440	3.66		1/4	3	1	53/64	1-7/16	52318
3,7 mm	0.1457		M4,5 X 0,75	6,0	66,0	28,0	23,0	36,0	64107
#26	0.1470	3.73	3/16-24	1/4	3	1	53/64	1-7/16	52319
#25	0.1495	3.80	10-24	1/4	3-1/4	1-1/4	1-5/64	1-7/16	51584
3,8 mm	0.1496			6,0	74,0	36,0	29,0	36,0	64108
#24	0.1520	3.86	10-28	1/4	3-1/4	1-1/4	1-5/64	1-7/16	52321
3,9 mm	0.1535			6,0	74,0	36,0	29,0	36,0	64109
#23	0.1540	3.91		1/4	3-1/4	1-1/4	1-5/64	1-7/16	52322
5/32	0.1562	3.97		1/4	3-1/4	1-1/4	1-5/64	1-7/16	51585
#22	0.1570	3.99	10-30	1/4	3-1/4	1-1/4	1-5/64	1-7/16	52323
4,0 mm	0.1575		M4,5 X 0,5	6,0	74,0	36,0	29,0	36,0	64110
#21	0.1590	4.04	10-32	1/4	3-1/4	1-1/4	1-5/64	1-7/16	51586
#20	0.1610	4.09	13/64-24	1/4	3-1/4	1-1/4	1-5/64	1-7/16	51587
4,1 mm	0.1614			6,0	74,0	36,0	29,0	36,0	64111
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	74,0	36,0	29,0	36,0	64112
#19	0.1660	4.22		1/4	3-1/4	1-1/4	1-5/64	1-7/16	52324
4,3 mm	0.1693			6,0	74,0	36,0	29,0	36,0	64113
#18	0.1695	4.31		1/4	3-1/4	1-1/4	1-5/64	1-7/16	52325
11/64	0.1719	4.37		1/4	3-1/4	1-1/4	1-5/64	1-7/16	51588
#17	0.1730	4.39		1/4	3-1/4	1-1/4	1-5/64	1-7/16	52326
4,4 mm	0.1732			6,0	74,0	36,0	29,0	36,0	64114
4,5 mm	0.1772		M5 X 0,5	6,0	74,0	36,0	29,0	36,0	64115
#15	0.1800	4.57		1/4	3-1/4	1-1/4	1-5/64	1-7/16	52327
4,6 mm	0.1811		12-28	6,0	74,0	36,0	29,0	36,0	64116
#14	0.1820	4.62		1/4	3-1/4	1-1/4	1-5/64	1-7/16	52328
#13	0.1850	4.70	12-32	1/4	3-1/4	1-1/4	1-5/64	1-7/16	52329
4,7 mm	0.1850			6,0	74,0	36,0	29,0	36,0	64117
3/16	0.1875	4.76		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51589
#12	0.1890	4.80	7/32-32	1/4	3-1/4	1-3/4	1-37/64	1-7/16	52330
4,8 mm	0.1890			6,0	82,0	44,0	35,0	36,0	64118

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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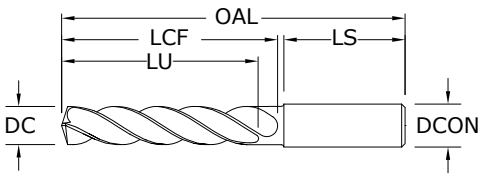
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
4,9 mm	0.1929			6,0	82,0	44,0	35,0	36,0	64119
#10	0.1935	4.91	14-20	1/4	3-1/4	1-3/4	1-37/64	1-7/16	52331
#9	0.1960	4.98		1/4	3-1/4	1-3/4	1-37/64	1-7/16	52332
5,0 mm	0.1969		M6 X 1	6,0	82,0	44,0	35,0	36,0	64120
#8	0.1990	5.05		1/4	3-1/4	1-3/4	1-37/64	1-7/16	52333
5,1 mm	0.2008			6,0	82,0	44,0	35,0	36,0	64121
#7	0.2010	5.11	1/4-20	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51506
13/64	0.2031	5.16		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51507
#6	0.2040	5.18		1/4	3 1/4	1 3/4	1 37/64	1 7/16	52334
5,2 mm	0.2047		M6 X 0,75	6,0	82,0	44,0	35,0	36,0	64122
#5	0.2055	5.22		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51590
5,25 mm	0.2067			6,0	82,0	44,0	35,0	36,0	64123
5,3 mm	0.2087			6,0	82,0	44,0	35,0	36,0	64124
#4	0.2090	5.31	1/4-24	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51508
5,4 mm	0.2126			6,0	82,0	44,0	35,0	36,0	64125
#3	0.2130	5.41	1/4-28	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51509
5,5 mm	0.2165		M6 X 0,5	6,0	82,0	44,0	35,0	36,0	64126
7/32	0.2188	5.56	1/4-32	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51510
5,6 mm	0.2205			6,0	82,0	44,0	35,0	36,0	64127
#2	0.2210	5.61		1/4	3-1/4	1-3/4	1-37/64	1-7/16	52335
5,7 mm	0.2244			6,0	82,0	44,0	35,0	36,0	64128
#1	0.2280	5.79		1/4	3-1/4	1-3/4	1-37/64	1-7/16	52336
5,8 mm	0.2283			6,0	82,0	44,0	35,0	36,0	64129
5,9 mm	0.2323			6,0	82,0	44,0	35,0	36,0	64130
A	0.2340	5.94		1/4	3-1/4	1-3/4	1-37/64	1-7/16	52337
15/64	0.2344	5.95		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51591
6,0 mm	0.2362		M7 X 1	6,0	82,0	44,0	35,0	36,0	64131
B	0.2380	6.05		1/4	3 5/8	2-5/64	1-51/64	1-7/16	52338
6,1 mm	0.2402			8,0	91,0	53,0	43,0	36,0	64132
C	0.2420	6.15		1/4	3 5/8	2-5/64	1-51/64	1-7/16	52339
6,2 mm	0.2441			8,0	91,0	53,0	43,0	36,0	64133
D	0.2460	6.25		1/4	3 5/8	2-5/64	1-51/64	1-7/16	52340
6,25 mm	0.2461		M7 X 0,75	8,0	91,0	53,0	43,0	36,0	64134
6,3 mm	0.2480			8,0	91,0	53,0	43,0	36,0	64135
1/4	0.2500	6.35		1/4	3-5/8	2-5/64	1-51/64	1-7/16	51511
6,4 mm	0.2520			8,0	91,0	53,0	43,0	36,0	64136

Common
5xD Reach
32° Right Spiral
External Coolant
145° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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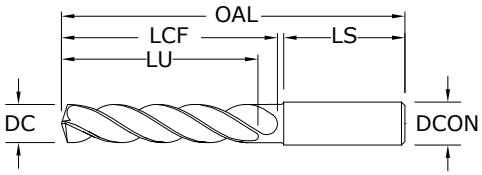
TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

5xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
6,5 mm	0.2559			8,0	91,0	53,0	43,0	36,0	64137
F	0.2570	6.53	5/16-18	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51512
6,6 mm	0.2598			8,0	91,0	53,0	43,0	36,0	64138
G	0.2610	6.63		5/16	3 5/8	2 5/64	1 51/64	1 7/16	52341
6,7 mm	0.2638			8,0	91,0	53,0	43,0	36,0	64139
17/64	0.2656	6.75	5/16-20	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51513
H	0.2660	6.76		5/16	3-5/8	2-5/64	1-51/64	1-7/16	52342
6,8 mm	0.2677		M8 X 1,25	8,0	91,0	53,0	43,0	36,0	64140
6,9 mm	0.2717			8,0	91,0	53,0	43,0	36,0	64141
I	0.2720	6.91	5/16-24	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51514
7,0 mm	0.2756		M8 X 1	8,0	91,0	53,0	43,0	36,0	64142
J	0.2770	7.04		5/16	3 5/8	2-5/64	1-51/64	1-7/16	52343
7,1 mm	0.2795			8,0	91,0	53,0	43,0	36,0	64143
K	0.2810	7.14		5/16	3 5/8	2-5/64	1-51/64	1-7/16	52344
9/32	0.2812	7.14	5/16-32	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51515
7,2 mm	0.2835			8,0	91,0	53,0	43,0	36,0	64144
7,25 mm	0.2854		M8 X 0,75	8,0	91,0	53,0	43,0	36,0	64145
7,3 mm	0.2874			8,0	91,0	53,0	43,0	36,0	64146
L	0.2900	7.37		5/16	3-5/8	2-5/64	1-51/64	1-7/16	52345
7,4 mm	0.2913			8,0	91,0	53,0	43,0	36,0	64147
M	0.2950	7.49		5/16	3-5/8	2-5/64	1-51/64	1-7/16	52346
7,5 mm	0.2953		M8 X 0,5	8,0	91,0	53,0	43,0	36,0	64148
19/64	0.2969	7.54		5/16	3-5/8	2-5/64	1-51/64	1-7/16	51516
7,6 mm	0.2992			8,0	91,0	53,0	43,0	36,0	64149
N	0.3020	7.67		5/16	3-5/8	2-5/64	1-51/64	1-7/16	52347
7,7 mm	0.3031			8,0	91,0	53,0	43,0	36,0	64150
7,8 mm	0.3071		M9 X 1,25	8,0	91,0	53,0	43,0	36,0	64151
7,9 mm	0.3110			8,0	91,0	53,0	43,0	36,0	64152
5/16	0.3125	7.94	3/8-16	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51517
8,0 mm	0.3150		M9 X 1	8,0	91,0	53,0	43,0	36,0	64153
O	0.3160	8.03		3/8	4	2-13/32	2-1/8	1-9/16	52348
8,1 mm	0.3189			10,0	103,0	61,0	49,0	40,0	64154
8,2 mm	0.3228			10,0	103,0	61,0	49,0	40,0	64155
P	0.3230	8.20		3/8	4	2-13/32	2-1/8	1-9/16	51518
8,3 mm	0.3268			10,0	103,0	61,0	49,0	40,0	64156
21/64	0.3281	8.33	3/8-20	3/8	4	2-13/32	2-1/8	1-9/16	51519

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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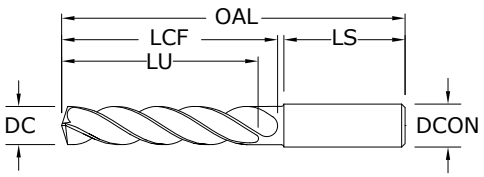
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

			inch & mm						EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
8,4 mm	0.3307			10,0	103,0	61,0	49,0	40,0	64157
Q	0.3320	8.43	3/8-24	3/8	4	2-13/32	2-1/8	1-9/16	51520
8,5 mm	0.3346		M10 X 1,5	10,0	103,0	61,0	49,0	40,0	64158
8,6 mm	0.3386			10,0	103,0	61,0	49,0	40,0	64159
R	0.3390	8.61	3/8-32	3/8	4	2-13/32	2-1/8	1-9/16	52349
8,7 mm	0.3425		M10 X 1,25	10,0	103,0	61,0	49,0	40,0	64160
11/32	0.3438	8.73		3/8	4	2-13/32	2-1/8	1-9/16	51521
8,8 mm	0.3465			10,0	103,0	61,0	49,0	40,0	64161
S	0.3480	8.84		3/8	4	2-13/32	2-1/8	1-9/16	51522
8,9 mm	0.3504			10,0	103,0	61,0	49,0	40,0	64162
9,0 mm	0.3543		M10 X 1	10,0	103,0	61,0	49,0	40,0	64163
T	0.3580	9.09		3/8	4	2 13/32	2 1/8	1 9/16	52350
9,1 mm	0.3583			10,0	103,0	61,0	49,0	40,0	64164
23/64	0.3594	9.13		3/8	4	2-13/32	2-1/8	1-9/16	51523
9,2 mm	0.3622		M10 X 0,75	10,0	103,0	61,0	49,0	40,0	64165
9,25 mm	0.3642			10,0	103,0	61,0	49,0	40,0	64166
9,3 mm	0.3661			10,0	103,0	61,0	49,0	40,0	64167
U	0.3680	9.35	7/16-14	3/8	4	2-13/32	2-1/8	1-9/16	51524
9,4 mm	0.3701			10,0	103,0	61,0	49,0	40,0	64168
9,5 mm	0.3740		M10 X 0,5	10,0	103,0	61,0	49,0	40,0	64169
3/8	0.3750	9.53		3/8	4	2-13/32	2-1/8	1-9/16	51525
V	0.3770	9.58		1/2	4	2-13/32	2-1/8	1-9/16	52351
9,6 mm	0.3780			10,0	103,0	61,0	49,0	40,0	64170
9,7 mm	0.3819			10,0	103,0	61,0	49,0	40,0	64171
9,8 mm	0.3858			10,0	103,0	61,0	49,0	40,0	64172
W	0.3860	9.80		1/2	4	2-13/32	2-1/8	1-9/16	51526
9,9 mm	0.3898			10,0	103,0	61,0	49,0	40,0	64173
25/64	0.3906	9.92	7/16-20	1/2	4	2-13/32	2-1/8	1-9/16	51527
10,0 mm	0.3937			10,0	103,0	61,0	49,0	40,0	64174
X	0.3970	10.08	7/16-24	1/2	4-11/16	2-3/4	2-23/64	1-49/64	52352
10,1 mm	0.3976			12,0	118,0	71,0	56,0	45,0	64175
10,2 mm	0.4016			12,0	118,0	71,0	56,0	45,0	64176
Y	0.4040	10.26	7/16-28	1/2	4-11/16	2-3/4	2-23/64	1-49/64	52353
10,3 mm	0.4055			12,0	118,0	71,0	56,0	45,0	64177
13/32	0.4062	10.32		1/2	4-11/16	2-3/4	2-23/64	1-49/64	51528
10,4 mm	0.4095			12,0	118,0	71,0	56,0	45,0	64178

Common
5xD Reach
32° Right Spiral
External Coolant
145° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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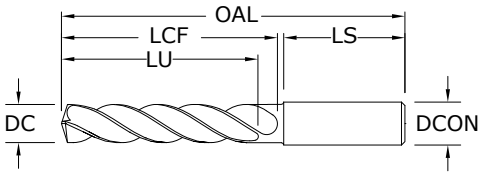
TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

5xD
Reach

32°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
Z	0.4130	10.49		1/2	4-11/16	2-3/4	2-23/64	1-49/64	52354
10,5 mm	0.4134		M12 X 1,5	12,0	118,0	71,0	56,0	45,0	64179
10,6 mm	0.4173			12,0	118,0	71,0	56,0	45,0	64180
10,7 mm	0.4213			12,0	118,0	71,0	56,0	45,0	64181
27/64	0.4219	10.72	1/2-13	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51529
10,8 mm	0.4252		M12 X 1,25	12,0	118,0	71,0	56,0	45,0	64182
10,9 mm	0.4291			12,0	118,0	71,0	56,0	45,0	64183
11,0 mm	0.4331			12,0	118,0	71,0	56,0	45,0	64184
11,1 mm	0.4370		M12 X 1	12,0	118,0	71,0	56,0	45,0	64185
7/16	0.4375	11.11	1/4-18 NPT	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51530
11,2 mm	0.4409			12,0	118,0	71,0	56,0	45,0	64186
11,25 mm	0.4429			12,0	118,0	71,0	56,0	45,0	64187
11,3 mm	0.4449			12,0	118,0	71,0	56,0	45,0	64188
11,4 mm	0.4488			12,0	118,0	71,0	56,0	45,0	64189
11,5 mm	0.4528		M12 X 0,5	12,0	118,0	71,0	56,0	45,0	64190
29/64	0.4531	11.51	1/2-20	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51531
11,6 mm	0.4567			12,0	118,0	71,0	56,0	45,0	64191
11,7 mm	0.4606			12,0	118,0	71,0	56,0	45,0	64192
11,8 mm	0.4646			12,0	118,0	71,0	56,0	45,0	64193
11,9 mm	0.4685			12,0	118,0	71,0	56,0	45,0	64194
15/32	0.4688	11.91	1/2-28	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51532
12,0 mm	0.4724		M14 X 2	12,0	118,0	71,0	56,0	45,0	64195
31/64	0.4844	12.30	9/16-12	1/2	4-7/8	3-1/32	2-19/32	1-49/64	51533
12,5 mm	0.4921		M14 X 1,5	14,0	124,0	77,0	60,0	45,0	64196
1/2	0.5000	12.70		1/2	4-7/8	3-1/32	2-19/32	1-49/64	51534
12,8 mm	0.5039		M14 X 1,25	14,0	124,0	77,0	60,0	45,0	64197
13,0 mm	0.5118		M14 X 1	14,0	124,0	77,0	60,0	45,0	64198
33/64	0.5156	13.10	9/16-18	5/8	4-7/8	3-1/32	2-19/32	1-49/64	51535
17/32	0.5312	13.49	5/8-11	5/8	4-7/8	3-1/32	2-19/32	1-49/64	51536
13,5 mm	0.5315			14,0	124,0	77,0	60,0	45,0	64199
35/64	0.5469	13.89	5/8-12	5/8	4-7/8	3-1/32	2-19/32	1-49/64	51537
14,0 mm	0.5512		M16 X 2	14,0	124,0	77,0	60,0	45,0	64200
9/16	0.5625	14.29		5/8	5-1/4	3-1/4	2-3/4	1-57/64	51538
14,5 mm	0.5709		M16 X 1,5	16,0	133,0	83,0	63,0	48,0	64201
37/64	0.5781	14.68	5/8-18	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51539
15,0 mm	0.5906		M16 X 1	16,0	133,0	83,0	63,0	48,0	64202

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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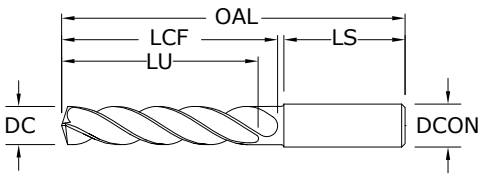
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Ti-NAMITE®-A (TA)
19/32	0.5938	15.08	11/16-11	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51592
39/64	0.6094	15.48	11/16-12	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51593
15,5 mm	0.6102		M18 X 2,5	16,0	133,0	83,0	63,0	48,0	64203
5/8	0.6250	15.88	11/16-16	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51540
16,0 mm	0.6299			16,0	133,0	83,0	63,0	48,0	64204
41/64	0.6406	16.27	11/16-24	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51594
16,5 mm	0.6496		M18 X 1,5	18,0	143,0	93,0	71,0	48,0	64205
21/32	0.6562	16.67	3/4-10	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51541
17,0 mm	0.6693			18,0	143,0	93,0	71,0	48,0	64206
43/64	0.6719	17.07	3/4-12	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51595
11/16	0.6875	17.46	3/4-16	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51542
17,5 mm	0.6890		M20 X 2,5	18,0	143,0	93,0	71,0	48,0	64207
45/64	0.7031	17.86	3/4-20, 1/2-14 NPT	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51543
18,0 mm	0.7087			18,0	143,0	93,0	71,0	48,0	64208
23/32	0.7188	18.26		3/4	6	4	3-3/8	1-31/32	51596
18,5 mm	0.7283		M20 X 1,5	20,0	153,0	101,0	77,0	50,0	64209
47/64	0.7344	18.65	13/16-12	3/4	6	4	3-3/8	1-31/32	51544
19,0 mm	0.7480			20,0	153,0	101,0	77,0	50,0	64210
3/4	0.7500	19.05	13/16-16	3/4	6	4	3-3/8	1-31/32	51545
49/64	0.7656	19.45	7/8-9	7/8	6	4	3-3/8	1-31/32	52355
19,5 mm	0.7677		M22 X 2,5	20,0	153,0	101,0	77,0	50,0	64211
25/32	0.7812	19.84		7/8	6	4	3-3/8	1-31/32	52356
20,0 mm	0.7874			20,0	153,0	101,0	77,0	50,0	64212
51/64	0.7969	20.24	7/8-12	7/8	6	4	3-3/8	1-31/32	52357
20,5 mm	0.8071			22,0	153,0	101,0	77,0	50,0	64533
13/16	0.8125	20.64	7/8-14	7/8	6-1/2	4-1/2	3-7/8	1-31/32	52358
21,0 mm	0.8268			22,0	153,0	101,0	77,0	50,0	64534
22,0 mm	0.8661			22,0	178,0	127,0	108,0	50,0	64535
7/8	0.8750	22.23	15/16-16, 1-8	7/8	6-1/2	4-1/2	3-7/8	1-31/32	52359
59/64	0.9219	23.42	1-12	1	7	5	4-3/8	2-1/8	52360

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

Common

Reach

Right Spiral

External Coolant

Point Angle

Flutes

AR15 Upper Receiver

AR15 Lower Receiver

HI-PERCARB®

HIGH PERFORMANCE CARBIDE DRILLS

HI-PERCARB® SERIES 131N ALUMINUM DRILL

The key features designed into the HI-PERCARB® Series 131N Drill allow the product to offer application benefits not only beyond that of standard carbide drills, but also other high-performance drills.

- Self stabilizing point pyramid design stabilizes drill on contact and eliminates the need for center drilling
- Sculpted gash allows chips to easily flow away from the drill tip
- Circular land provides a burnishing effect resulting in superior surface finishes
- Third point of contact increases stability in the hole resulting in unsurpassed cylindricy and hole size control
- Open flute structure efficiently evacuates chips while maintaining strength at high feed rates

SHOWN UNCOATED
ALSO AVAILABLE IN TI-NAMITE®-B (TB) COATING

HI-PERCARB® SERIES 131N VS. COMPETITION 2 FLUTE DRILL IN 2024 ALUMINUM

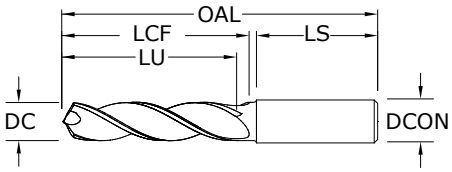
Independent Lab Results Indicate the HI-PERCARB® Series 131N Drill outperforms the competition in measured hole quality at a variety of speed and feed rates.

4847 RPM **65 INCHES PER MINUTE**	**HI-PERCARB® SERIES 131N**	**COMPETITOR 1**	**COMPETITOR 2**
• Measured hole size *(top to bottom)*	0.0003	0.00034	0.00023
• Measured hole circularity *(top to bottom)*	0.0003	0.00111	0.00020
• Measured hole cylindricy	0.00049	0.00335	0.00069

6786 RPM **100 INCHES PER MINUTE**	**HI-PERCARB® SERIES 131N**	**COMPETITOR 1**	**COMPETITOR 2**
• Measured hole size *(top to bottom)*	0.00004	0.00018	0.00004
• Measured hole circularity *(top to bottom)*	0.00008	0.00116	0.00081
• Measured hole cylindricy	0.00045	0.00229	0.00107

9530 RPM **200 INCHES PER MINUTE**	**HI-PERCARB® SERIES 131N**	**COMPETITOR 1**	**COMPETITOR 2**
• Measured hole size *(top to bottom)*	0.00013	0.00036	0.00018
• Measured hole circularity *(top to bottom)*	0.00003	0.00184	0.00003
• Measured hole cylindricy	0.00093	0.00254	0.00082

HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
3,0 mm	0.1181			6,0	62,0	20,0	14,0	36,0	64600	67600
3,1 mm	0.1220			6,0	62,0	20,0	14,0	36,0	64601	67601
1/8	0.1250	3.18		6,0	62,0	20,0	14,0	36,0	54600	54700
3,2 mm	0.1260		M3,5 X 0,35	6,0	62,0	20,0	14,0	36,0	64602	67602
3,3 mm	0.1299		M4 X 0,7	6,0	62,0	20,0	14,0	36,0	64603	67603
3,4 mm	0.1339			6,0	62,0	20,0	14,0	36,0	64604	67604
#29	0.1360	3.45	8-32,8-36	6,0	62,0	20,0	14,0	36,0	54601	54701
3,5 mm	0.1378		M4 X 0,5	6,0	62,0	20,0	14,0	36,0	64605	67605
9/64	0.1406	3.57		6,0	62,0	20,0	14,0	36,0	54602	54702
3,6 mm	0.1417		M4 X 0,35	6,0	62,0	20,0	14,0	36,0	64606	67606
3,7 mm	0.1457		M4,5 X 0,75	6,0	62,0	20,0	14,0	36,0	64607	67607
3,8 mm	0.1496		10-24	6,0	66,0	24,0	17,0	36,0	64608	67608
3,9 mm	0.1535			6,0	66,0	24,0	17,0	36,0	64609	67609
5/32	0.1562	3.97		6,0	66,0	24,0	17,0	36,0	54603	54703
4,0 mm	0.1575		M4,5 X 0,5	6,0	66,0	24,0	17,0	36,0	64610	67610
#21	0.1590	4.04	10-32	6,0	66,0	24,0	17,0	36,0	54604	54704
4,1 mm	0.1614			6,0	66,0	24,0	17,0	36,0	64611	67611
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	66,0	24,0	17,0	36,0	64612	67612
4,3 mm	0.1693			6,0	66,0	24,0	17,0	36,0	64613	67613
11/64	0.1719	4.37		6,0	66,0	24,0	17,0	36,0	54605	54705
4,4 mm	0.1732		12-24	6,0	66,0	24,0	17,0	36,0	64614	67614
4,5 mm	0.1772		M5 X 0,5	6,0	66,0	24,0	17,0	36,0	64615	67615
4,6 mm	0.1811		12-28	6,0	66,0	24,0	17,0	36,0	64616	67616
4,7 mm	0.1850		12-32	6,0	66,0	24,0	17,0	36,0	64617	67617
3/16	0.1875	4.76		6,0	66,0	28,0	20,0	36,0	54606	54706
4,8 mm	0.1890		7/32-32	6,0	66,0	28,0	20,0	36,0	64618	67618
4,9 mm	0.1929			6,0	66,0	28,0	20,0	36,0	64619	67619
5,0 mm	0.1969		M6 X 1	6,0	66,0	28,0	20,0	36,0	64620	67620
5,1 mm	0.2008		1/4-20	6,0	66,0	28,0	20,0	36,0	64621	67621
13/64	0.2031	5.16		6,0	66,0	28,0	20,0	36,0	54607	54707
5,2 mm	0.2047		M6 X 0,75	6,0	66,0	28,0	20,0	36,0	64622	67622
5,3 mm	0.2087			6,0	66,0	28,0	20,0	36,0	64623	67623
5,4 mm	0.2126			6,0	66,0	28,0	20,0	36,0	64624	67624
5,5 mm	0.2165		M6 X 0,5	6,0	66,0	28,0	20,0	36,0	64625	67625
7/32	0.2188	5.56	1/4-32	6,0	66,0	28,0	20,0	36,0	54608	54708
5,6 mm	0.2205			6,0	66,0	28,0	20,0	36,0	64626	67626

Common
3xD Reach
30° Right Spiral
External Coolant
145° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

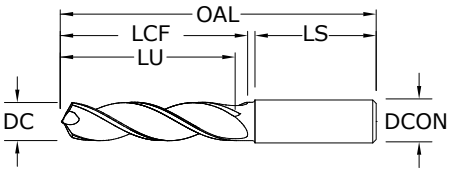
(continued on next page)

TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

3xD
Reach

30°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
5,7 mm	0.2244			6,0	66,0	28,0	20,0	36,0	64627	67627
5,8 mm	0.2283			6,0	66,0	28,0	20,0	36,0	64628	67628
5,9 mm	0.2323			6,0	66,0	28,0	20,0	36,0	64629	67629
15/64	0.2344	5.95		6,0	66,0	28,0	20,0	36,0	54609	54709
6,0 mm	0.2362		M7 X 1	6,0	66,0	28,0	20,0	36,0	64630	67630
6,1 mm	0.2402			8,0	79,0	34,0	24,0	36,0	64631	67631
6,2 mm	0.2441		M7 X 0,75	8,0	79,0	34,0	24,0	36,0	64632	67632
6,3 mm	0.2480			8,0	79,0	34,0	24,0	36,0	64633	67633
1/4	0.2500	6.35		8,0	79,0	34,0	24,0	36,0	54610	54710
6,4 mm	0.2520			8,0	79,0	34,0	24,0	36,0	64634	67634
6,5 mm	0.2559			8,0	79,0	34,0	24,0	36,0	64635	67635
F	0.2570	6.53	5/16-18	8,0	79,0	34,0	24,0	36,0	54611	54711
6,6 mm	0.2598			8,0	79,0	34,0	24,0	36,0	64636	67636
6,7 mm	0.2638			8,0	79,0	34,0	24,0	36,0	64637	67637
17/64	0.2656	6.75	5/16-20	8,0	79,0	34,0	24,0	36,0	54612	54712
6,8 mm	0.2677		M8 X 1,25	8,0	79,0	34,0	24,0	36,0	64638	67638
6,9 mm	0.2717		5/16-24	8,0	79,0	34,0	24,0	36,0	64639	67639
7,0 mm	0.2756		M8 X 1	8,0	79,0	34,0	24,0	36,0	64640	67640
7,1 mm	0.2795			8,0	79,0	41,0	29,0	36,0	64641	67641
9/32	0.2812	7.14	5/16-32	8,0	79,0	41,0	29,0	36,0	54613	54713
7,2 mm	0.2835		M8 X 0,75	8,0	79,0	41,0	29,0	36,0	64642	67642
7,3 mm	0.2874			8,0	79,0	41,0	29,0	36,0	64643	67643
7,4 mm	0.2913			8,0	79,0	41,0	29,0	36,0	64644	67644
7,5 mm	0.2953		M8 X 0,5	8,0	79,0	41,0	29,0	36,0	64645	67645
19/64	0.2969	7.54		8,0	79,0	41,0	29,0	36,0	54614	54714
7,6 mm	0.2992			8,0	79,0	41,0	29,0	36,0	64646	67646
7,7 mm	0.3031			8,0	79,0	41,0	29,0	36,0	64647	67647
7,8 mm	0.3071		M9 X 1,25	8,0	79,0	41,0	29,0	36,0	64648	67648
7,9 mm	0.3110			8,0	79,0	41,0	29,0	36,0	64649	67649
5/16	0.3125	7.94	3/8-16	8,0	79,0	41,0	29,0	36,0	54615	54715
8,0 mm	0.3150		M9 X 1	8,0	79,0	41,0	29,0	36,0	64650	67650
8,1 mm	0.3189			10,0	89,0	47,0	35,0	40,0	64651	67651
8,2 mm	0.3228			10,0	89,0	47,0	35,0	40,0	64652	67652
8,3 mm	0.3268			10,0	89,0	47,0	35,0	40,0	64653	67653
21/64	0.3281	8.33	3/8-20	10,0	89,0	47,0	35,0	40,0	54616	54716
8,4 mm	0.3307			10,0	89,0	47,0	35,0	40,0	64654	67654

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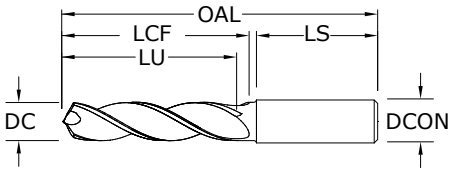
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
Q	0.3320	8.43	3/8-24	10,0	89,0	47,0	35,0	40,0	54617	54717
8,5 mm	0.3346		M10 X 1,5	10,0	89,0	47,0	35,0	40,0	64655	67655
8,6 mm	0.3386			10,0	89,0	47,0	35,0	40,0	64656	67656
8,7 mm	0.3425			10,0	89,0	47,0	35,0	40,0	64657	67657
11/32	0.3438	8.73	3/8-32	10,0	89,0	47,0	35,0	40,0	54618	54718
8,8 mm	0.3465		M10 X 1,25	10,0	89,0	47,0	35,0	40,0	64658	67658
8,9 mm	0.3504			10,0	89,0	47,0	35,0	40,0	64659	67659
9,0 mm	0.3543		M10 X 1	10,0	89,0	47,0	35,0	40,0	64660	67660
9,1 mm	0.3583			10,0	89,0	47,0	35,0	40,0	64661	67661
23/64	0.3594	9.13		10,0	89,0	47,0	35,0	40,0	54619	54719
9,2 mm	0.3622		M10 X 0,75	10,0	89,0	47,0	35,0	40,0	64662	67662
9,3 mm	0.3661			10,0	89,0	47,0	35,0	40,0	64663	67663
U	0.3680	9.35	7/16-14	10,0	89,0	47,0	35,0	40,0	54620	54720
9,4 mm	0.3701			10,0	89,0	47,0	35,0	40,0	64664	67664
9,5 mm	0.3740		M11 / M10 X 0,5	10,0	89,0	47,0	35,0	40,0	64665	67665
3/8	0.3750	9.53		10,0	89,0	47,0	35,0	40,0	54621	54721
9,6 mm	0.3780			10,0	89,0	47,0	35,0	40,0	64666	67666
9,7 mm	0.3819			10,0	89,0	47,0	35,0	40,0	64667	67667
9,8 mm	0.3858			10,0	89,0	47,0	35,0	40,0	64668	67668
9,9 mm	0.3898			10,0	89,0	47,0	35,0	40,0	64669	67669
25/64	0.3906	9.92	7/16-20	10,0	89,0	47,0	35,0	40,0	54622	54722
10,0 mm	0.3937			10,0	89,0	47,0	35,0	40,0	64670	67670
10,1 mm	0.3976			12,0	102,0	55,0	40,0	45,0	64671	67671
10,2 mm	0.4016		M12 X 1,75	12,0	102,0	55,0	40,0	45,0	64672	67672
10,3 mm	0.4055			12,0	102,0	55,0	40,0	45,0	64673	67673
13/32	0.4062	10.32		12,0	102,0	55,0	40,0	45,0	54623	54723
10,4 mm	0.4094			12,0	102,0	55,0	40,0	45,0	64674	67674
10,5 mm	0.4134		M12 X 1,5	12,0	102,0	55,0	40,0	45,0	64675	67675
10,6 mm	0.4173			12,0	102,0	55,0	40,0	45,0	64676	67676
10,7 mm	0.4213			12,0	102,0	55,0	40,0	45,0	64677	67677
27/64	0.4219	10.72	1/2-13	12,0	102,0	55,0	40,0	45,0	54624	54724
10,8 mm	0.4252		M12 X 1,25	12,0	102,0	55,0	40,0	45,0	64678	67678
10,9 mm	0.4291			12,0	102,0	55,0	40,0	45,0	64679	67679
11,0 mm	0.4331		M12 X 1	12,0	102,0	55,0	40,0	45,0	64680	67680
11,1 mm	0.4370			12,0	102,0	55,0	40,0	45,0	64681	67681
7/16	0.4375	11.11	1/4-18NPT	12,0	102,0	55,0	40,0	45,0	54625	54725

Common
3xD Reach
30° Right Spiral
External Coolant
145° Point Angle
2 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

(continued on next page)

TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

3xD
Reach

30°
Right Spiral

External Coolant

145°
Point Angle

2
Flutes

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
11,2 mm	0.4409			12,0	102,0	55,0	40,0	45,0	64682	67682
11,3 mm	0.4449			12,0	102,0	55,0	40,0	45,0	64683	67683
11,4 mm	0.4488			12,0	102,0	55,0	40,0	45,0	64684	67684
11,5 mm	0.4528		M12 X 0,5	12,0	102,0	55,0	40,0	45,0	64685	67685
11,6 mm	0.4567			12,0	102,0	55,0	40,0	45,0	64686	67686
11,7 mm	0.4606			12,0	102,0	55,0	40,0	45,0	64687	67687
11,8 mm	0.4646			12,0	102,0	55,0	40,0	45,0	64688	67688
11,9 mm	0.4685			12,0	102,0	55,0	40,0	45,0	64689	67689
15/32	0.4688	11.91	1/2-28	12,0	102,0	55,0	40,0	45,0	54626	54726
12,0 mm	0.4724		M14 X 2	12,0	102,0	55,0	40,0	45,0	64690	67690
31/64	0.4844	12.30	9/16-12	14,0	107,0	60,0	43,0	45,0	54627	54727
12,5 mm	0.4921		M14 X 1,5	14,0	107,0	60,0	43,0	45,0	64691	67691
1/2	0.5000	12.70		14,0	107,0	60,0	43,0	45,0	54628	54728
12,8 mm	0.5039		M14 X 1,25	14,0	107,0	60,0	43,0	45,0	64692	67692
13,0 mm	0.5118		M14 X 1	14,0	107,0	60,0	43,0	45,0	64693	67693
33/64	0.5156	13.10	9/16-18	14,0	107,0	60,0	43,0	45,0	54629	54729
13,5 mm	0.5315		5/8-11	14,0	107,0	60,0	43,0	45,0	64694	67694
13,8 mm	0.5433			14,0	107,0	60,0	43,0	45,0	64695	67695
14,0 mm	0.5512		M16 X 2	14,0	107,0	60,0	43,0	45,0	64696	67696
9/16	0.5625	14.29		16,0	115,0	65,0	45,0	48,0	54630	54730
14,5 mm	0.5709		M16 X 1,5	16,0	115,0	65,0	45,0	48,0	64697	67697
37/64	0.5781	14.68	5/8-18	16,0	115,0	65,0	45,0	48,0	54631	54731
14,8 mm	0.5827			16,0	115,0	65,0	45,0	48,0	64698	67698
15,0 mm	0.5906		M16 X 1	16,0	115,0	65,0	45,0	48,0	64699	67699
15,5 mm	0.6102		M18 X 2,5	16,0	115,0	65,0	45,0	48,0	64700	67700
15,8 mm	0.6220			16,0	115,0	65,0	45,0	48,0	64701	67701
5/8	0.6250	15.88	11/16-16	16,0	115,0	65,0	45,0	48,0	54632	54732
16,0 mm	0.6299			16,0	115,0	65,0	45,0	48,0	64702	67702
21/32	0.6562	16.67	3/4-10	18,0	123,0	73,0	51,0	48,0	54633	54733
11/16	0.6875	17.46	3/4-16	18,0	123,0	73,0	51,0	48,0	54634	54734
3/4	0.7500	19.05	13/16-16	20,0	131,0	79,0	55,0	50,0	54635	54735

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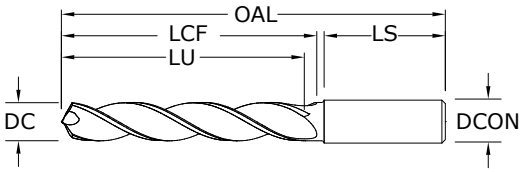
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
3,0 mm	0.1181			6,0	66,0	28,0	23,0	36,0	65000	64800
3,1 mm	0.1220			6,0	66,0	28,0	23,0	36,0	65001	64801
1/8	0.1250	3.18		6,0	66,0	28,0	23,0	36,0	55000	54800
3,2 mm	0.1260		M3,5 X 0,35	6,0	66,0	28,0	23,0	36,0	65002	64802
3,3 mm	0.1299		M4 X 0,7	6,0	66,0	28,0	23,0	36,0	65003	64803
3,4 mm	0.1339			6,0	66,0	28,0	23,0	36,0	65004	64804
#29	0.1360	3.45	8-32,8-36	6,0	66,0	28,0	23,0	36,0	55001	54801
3,5 mm	0.1378		M4 X 0,5	6,0	66,0	28,0	23,0	36,0	65005	64805
9/64	0.1406	3.57		6,0	66,0	28,0	23,0	36,0	55002	54802
3,6 mm	0.1417		M4 X 0,35	6,0	66,0	28,0	23,0	36,0	65006	64806
3,7 mm	0.1457		M4,5 X 0,75	6,0	66,0	28,0	23,0	36,0	65007	64807
3,8 mm	0.1496		10-24	6,0	74,0	36,0	29,0	36,0	65008	64808
3,9 mm	0.1535			6,0	74,0	36,0	29,0	36,0	65009	64809
5/32	0.1562	3.97		6,0	74,0	36,0	29,0	36,0	55003	54803
4,0 mm	0.1575		M4,5 X 0,5	6,0	74,0	36,0	29,0	36,0	65010	64810
#21	0.1590	4.04	10-32	6,0	74,0	36,0	29,0	36,0	55004	54804
4,1 mm	0.1614			6,0	74,0	36,0	29,0	36,0	65011	64811
4,2 mm	0.1654		M5 / M5 X 0,75	6,0	74,0	36,0	29,0	36,0	65012	64812
4,3 mm	0.1693			6,0	74,0	36,0	29,0	36,0	65013	64813
11/64	0.1719	4.37		6,0	74,0	36,0	29,0	36,0	55005	54805
4,4 mm	0.1732		12-24	6,0	74,0	36,0	29,0	36,0	65014	64814
4,5 mm	0.1772		M5 X 0,5	6,0	74,0	36,0	29,0	36,0	65015	64815
4,6 mm	0.1811		12-28	6,0	74,0	36,0	29,0	36,0	65016	64816
4,7 mm	0.1850		12-32	6,0	74,0	36,0	29,0	36,0	65017	64817
3/16	0.1875	4.76		6,0	82,0	44,0	35,0	36,0	55006	54806
4,8 mm	0.1890		7/32-32	6,0	82,0	44,0	35,0	36,0	65018	64818
4,9 mm	0.1929			6,0	82,0	44,0	35,0	36,0	65019	64819
5,0 mm	0.1969		M6 X 1	6,0	82,0	44,0	35,0	36,0	65020	64820
5,1 mm	0.2008		1/4-20	6,0	82,0	44,0	35,0	36,0	65021	64821
13/64	0.2031	5.16		6,0	82,0	44,0	35,0	36,0	55007	54807
5,2 mm	0.2047		M6 X 0,75	6,0	82,0	44,0	35,0	36,0	65022	64822
5,3 mm	0.2087			6,0	82,0	44,0	35,0	36,0	65023	64823
5,4 mm	0.2126			6,0	82,0	44,0	35,0	36,0	65024	64824
5,5 mm	0.2165		M6 X 0,5	6,0	82,0	44,0	35,0	36,0	65025	64825
7/32	0.2188	5.56	1/4-32	6,0	82,0	44,0	35,0	36,0	55008	54808
5,6 mm	0.2205			6,0	82,0	44,0	35,0	36,0	65026	64826

Common
5xD Reach
30° Right Spiral
External Coolant
145° Point Angle
3 Flutes

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

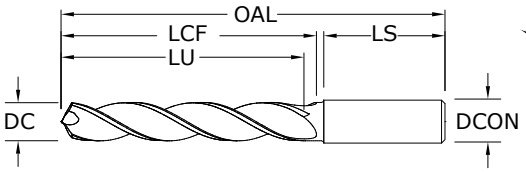
(continued on next page)

TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

5xD
Reach

30°
Right Spiral

External Coolant

145°
Point Angle

3
Flutes

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
5,7 mm	0.2244			6,0	82,0	44,0	35,0	36,0	65027	64827
5,8 mm	0.2283			6,0	82,0	44,0	35,0	36,0	65028	64828
5,9 mm	0.2323			6,0	82,0	44,0	35,0	36,0	65029	64829
15/64	0.2344	5.95		6,0	82,0	44,0	35,0	36,0	55009	54809
6,0 mm	0.2362		M7 X 1	6,0	82,0	44,0	35,0	36,0	65030	64830
6,1 mm	0.2402			8,0	91,0	53,0	43,0	36,0	65031	64831
6,2 mm	0.2441		M7 X 0,75	8,0	91,0	53,0	43,0	36,0	65032	64832
6,3 mm	0.2480			8,0	91,0	53,0	43,0	36,0	65033	64833
1/4	0.2500	6.35		8,0	91,0	53,0	43,0	36,0	55010	54810
6,4 mm	0.2520			8,0	91,0	53,0	43,0	36,0	65034	64834
6,5 mm	0.2559			8,0	91,0	53,0	43,0	36,0	65035	64835
F	0.2570	6.53	5/16-18	8,0	91,0	53,0	43,0	36,0	55011	54811
6,6 mm	0.2598			8,0	91,0	53,0	43,0	36,0	65036	64836
6,7 mm	0.2638			8,0	91,0	53,0	43,0	36,0	65037	64837
17/64	0.2656	6.75	5/16-20	8,0	91,0	53,0	43,0	36,0	55012	54812
6,8 mm	0.2677		M8 X 1,25	8,0	91,0	53,0	43,0	36,0	65038	64838
6,9 mm	0.2717		5/16-24	8,0	91,0	53,0	43,0	36,0	65039	64839
7,0 mm	0.2756		M8 X 1	8,0	91,0	53,0	43,0	36,0	65040	64840
7,1 mm	0.2795			8,0	91,0	53,0	43,0	36,0	65041	64841
9/32	0.2812	7.14	5/16-32	8,0	91,0	53,0	43,0	36,0	55013	54813
7,2 mm	0.2835		M8 X 0,75	8,0	91,0	53,0	43,0	36,0	65042	64842
7,3 mm	0.2874			8,0	91,0	53,0	43,0	36,0	65043	64843
7,4 mm	0.2913			8,0	91,0	53,0	43,0	36,0	65044	64844
7,5 mm	0.2953		M8 X 0,5	8,0	91,0	53,0	43,0	36,0	65045	64845
19/64	0.2969	7.54		8,0	91,0	53,0	43,0	36,0	55014	54814
7,6 mm	0.2992			8,0	91,0	53,0	43,0	36,0	65046	64846
7,7 mm	0.3031			8,0	91,0	53,0	43,0	36,0	65047	64847
7,8 mm	0.3071		M9 X 1,25	8,0	91,0	53,0	43,0	36,0	65048	64848
7,9 mm	0.3110			8,0	91,0	53,0	43,0	36,0	65049	64849
5/16	0.3125	7.94	3/8-16	8,0	91,0	53,0	43,0	36,0	55015	54815
8,0 mm	0.3150		M9 X 1	8,0	91,0	53,0	43,0	36,0	65050	64850
8,1 mm	0.3189			10,0	103,0	61,0	49,0	40,0	65051	64851
8,2 mm	0.3228			10,0	103,0	61,0	49,0	40,0	65052	64852
8,3 mm	0.3268			10,0	103,0	61,0	49,0	40,0	65053	64853
21/64	0.3281	8.33	3/8-20	10,0	103,0	61,0	49,0	40,0	55016	54816
8,4 mm	0.3307			10,0	103,0	61,0	49,0	40,0	65054	64854
Q	0.3320	8.43	3/8-24	10,0	103,0	61,0	49,0	40,0	55017	54817
8,5 mm	0.3346		M10 X 1,5	10,0	103,0	61,0	49,0	40,0	65055	64855

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

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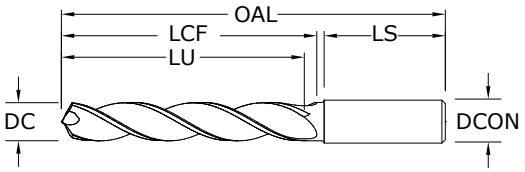
HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS



TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
> 3 - 6	+0,004 / +0,016	h6
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
8,6 mm	0.3386			10,0	103,0	61,0	49,0	40,0	65056	64856
8,7 mm	0.3425			10,0	103,0	61,0	49,0	40,0	65057	64857
11/32	0.3438	8.73	3/8-32	10,0	103,0	61,0	49,0	40,0	55018	54818
8,8 mm	0.3465		M10 X 1,25	10,0	103,0	61,0	49,0	40,0	65058	64858
8,9 mm	0.3504			10,0	103,0	61,0	49,0	40,0	65059	64859
9,0 mm	0.3543		M10 X 1	10,0	103,0	61,0	49,0	40,0	65060	64860
9,1 mm	0.3583			10,0	103,0	61,0	49,0	40,0	65061	64861
23/64	0.3594	9.13		10,0	103,0	61,0	49,0	40,0	55019	54819
9,2 mm	0.3622		M10 X 0,75	10,0	103,0	61,0	49,0	40,0	65062	64862
9,3 mm	0.3661			10,0	103,0	61,0	49,0	40,0	65063	64863
U	0.3680	9.35	7/16-14	10,0	103,0	61,0	49,0	40,0	55020	54820
9,4 mm	0.3701			10,0	103,0	61,0	49,0	40,0	65064	64864
9,5 mm	0.3740		M11 / M10 X 0,5	10,0	103,0	61,0	49,0	40,0	65065	64865
3/8	0.3750	9.53		10,0	103,0	61,0	49,0	40,0	55021	54821
9,6 mm	0.3780			10,0	103,0	61,0	49,0	40,0	65066	64866
9,7 mm	0.3819			10,0	103,0	61,0	49,0	40,0	65067	64867
9,8 mm	0.3858			10,0	103,0	61,0	49,0	40,0	65068	64868
9,9 mm	0.3898			10,0	103,0	61,0	49,0	40,0	65069	64869
25/64	0.3906	9.92	7/16-20	10,0	103,0	61,0	49,0	40,0	55022	54822
10,0 mm	0.3937			10,0	103,0	61,0	49,0	40,0	65070	64870
10,1 mm	0.3976			12,0	118,0	71,0	56,0	45,0	65071	64871
10,2 mm	0.4016		M12 X 1,75	12,0	118,0	71,0	56,0	45,0	65072	64872
10,3 mm	0.4055			12,0	118,0	71,0	56,0	45,0	65073	64873
13/32	0.4062	10.32		12,0	118,0	71,0	56,0	45,0	55023	54823
10,4 mm	0.4094			12,0	118,0	71,0	56,0	45,0	65074	64874
10,5 mm	0.4134		M12 X 1,5	12,0	118,0	71,0	56,0	45,0	65075	64875
10,6 mm	0.4173			12,0	118,0	71,0	56,0	45,0	65076	64876
10,7 mm	0.4213			12,0	118,0	71,0	56,0	45,0	65077	64877
27/64	0.4219	10.72	1/2-13	12,0	118,0	71,0	56,0	45,0	55024	54824
10,8 mm	0.4252		M12 X 1,25	12,0	118,0	71,0	56,0	45,0	65078	64878
10,9 mm	0.4291			12,0	118,0	71,0	56,0	45,0	65079	64879
11,0 mm	0.4331		M12 X 1	12,0	118,0	71,0	56,0	45,0	65080	64880
11,1 mm	0.4370			12,0	118,0	71,0	56,0	45,0	65081	64881
7/16	0.4375	11.11	1/4-18NPT	12,0	118,0	71,0	56,0	45,0	55025	54825

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(continued on next page)

Common
5xD Reach
30° Right Spiral
External Coolant
145° Point Angle
3 Flutes

TOLERANCES (inch)

DIAMETER	DC	DCON
≤ .1181	+0.00008 / +0.0047	h6
> .1181–.2362	+0.00016 / +0.0063	h6
> .2362–.3937	+0.00024 / +0.0083	h6
> .3937–.7087	+0.00028 / +0.0098	h6
> .7087–1.1811	+0.00031 / +0.0114	h6

TOLERANCES (mm)

DIAMETER	DC	DCON
≤ 3	+0,002 / +0,012	h6
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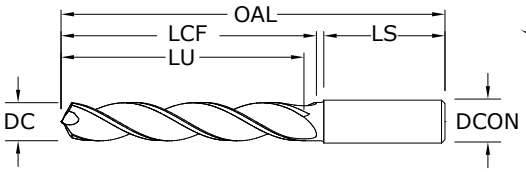
> 6 - 10	+0,006 / +0,021	h6
> 10 - 18	+0,007 / +0,025	h6



HI-PERCARB®
HIGH PERFORMANCE CARBIDE DRILLS

Common

5xD
Reach

30°
Right Spiral

External Coolant

145°
Point Angle

3
Flutes

inch & mm									EDP NO.	
Cutting Diameter DC	Decimal Equiv.	Metric Equiv.	Tap Size Reference Only	Shank Diameter DCON	Overall Length OAL	Flute Length LCF	Cleared Length LU	Shank Length LS	Uncoated	Ti-NAMITE®-B (TB)
11,2 mm	0.4409			12,0	118,0	71,0	56,0	45,0	65082	64882
11,3 mm	0.4449			12,0	118,0	71,0	56,0	45,0	65083	64883
11,4 mm	0.4488			12,0	118,0	71,0	56,0	45,0	65084	64884
11,5 mm	0.4528		M12 X 0,5	12,0	118,0	71,0	56,0	45,0	65085	64885
11,6 mm	0.4567			12,0	118,0	71,0	56,0	45,0	65086	64886
11,7 mm	0.4606			12,0	118,0	71,0	56,0	45,0	65087	64887
11,8 mm	0.4646			12,0	118,0	71,0	56,0	45,0	65088	64888
11,9 mm	0.4685			12,0	118,0	71,0	56,0	45,0	65089	64889
15/32	0.4688	11.91	1/2-28	12,0	118,0	71,0	56,0	45,0	55026	54826
12,0 mm	0.4724		M14 X 2	12,0	118,0	71,0	56,0	45,0	65090	64890
31/64	0.4844	12.30	9/16-12	14,0	124,0	77,0	60,0	45,0	55027	54827
12,5 mm	0.4921		M14 X 1,5	14,0	124,0	77,0	60,0	45,0	65091	64891
1/2	0.5000	12.70		14,0	124,0	77,0	60,0	45,0	55028	54828
12,8 mm	0.5039		M14 X 1,25	14,0	124,0	77,0	60,0	45,0	65092	64892
13,0 mm	0.5118		M14 X 1	14,0	124,0	77,0	60,0	45,0	65093	64893
33/64	0.5156	13.10	9/16-18	14,0	124,0	77,0	60,0	45,0	55029	54829
13,5 mm	0.5315		5/8-11	14,0	124,0	77,0	60,0	45,0	65094	64894
13,8 mm	0.5433			14,0	124,0	77,0	60,0	45,0	65095	64895
14,0 mm	0.5512		M16 X 2	14,0	124,0	77,0	60,0	45,0	65096	64896
9/16	0.5625	14.29		16,0	133,0	83,0	63,0	48,0	55030	54830
14,5 mm	0.5709		M16 X 1,5	16,0	133,0	83,0	63,0	48,0	65097	64897
37/64	0.5781	14.68	5/8-18	16,0	133,0	83,0	63,0	48,0	55031	54831
14,8 mm	0.5827			16,0	133,0	83,0	63,0	48,0	65098	64898
15,0 mm	0.5906		M16 X 1	16,0	133,0	83,0	63,0	48,0	65099	64899
15,5 mm	0.6102		M18 X 2,5	16,0	133,0	83,0	63,0	48,0	65100	64900
15,8 mm	0.6220			16,0	133,0	83,0	63,0	48,0	65101	64901
5/8	0.6250	15.88	11/16-16	16,0	133,0	83,0	63,0	48,0	55032	54832
16,0 mm	0.6299			16,0	133,0	83,0	63,0	48,0	65102	64902
21/32	0.6562	16.67	3/4-10	18,0	143,0	93,0	71,0	48,0	55033	54833
11/16	0.6875	17.46	3/4-16	18,0	143,0	93,0	71,0	48,0	55034	54834
3/4	0.7500	19.05	13/16-16	20,0	153,0	101,0	77,0	50,0	55035	54835

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com)

SGS Solid Carbide Tools

VALUE AT THE SPINDLE®

CUSTOM FIREARMS SOLUTIONS

The KYOCERA SGS Tech Hub is a newly dedicated division of the KYOCERA SGS Precision Tools group created to focus on custom cutting tool solutions. Providing quotes often within 24 hours and following through with detailed drawings, solid models, process plans, and program simulations if needed. The goal is being able to work hand in hand with end users and maintain constant communication to customize support to their needs.

The space and resources have been designed to provide not simply a custom tool, but a complete firearm solution. This includes managing the tool from inception through expiration and everything in between.

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